### Approved For Release 20(20)(4) FIDENT ROP78T05161A001600090001-3

| DDI IMAGE                              | RY ANALYSIS STAFF |                  |                  |
|--|-------------------|------------------|------------------|
| NAME Chu Le Hwy. Bridge SE No. 1       | COUNTRY           | COORDINATES      |                  |
| over Song Tien                         |                   | 18 10N - 105 43E | 25X              |
| Bridge No. 28 on NE 48-7               | North Vietnam     | WF761102         |                  |
|  |                   | BRIEF NO:        | <del>-</del> 25X |
|  |                   | PIB 75500        |                  |
| MAP JOG (A) 1501 NE 48-7               |                   | February 1967    |                  |
| LOCATION: 0.7 nm SE of Chu Le on Route | e 15.             | <del> </del>     |                  |

### DESCRIPTION:

TYPE

TYPE

70' approx.

10' approx.

Deck probable

MATERIAL Concrete and timber
NO. OF SPANS 5
LENGTH OF EACH SPAN

25X1

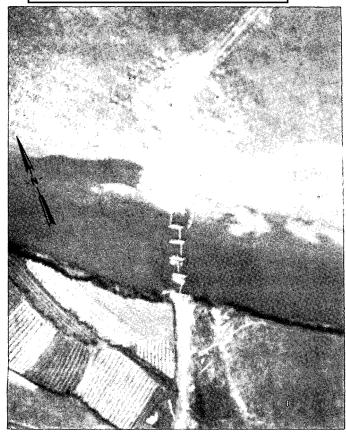
#### STATUS:

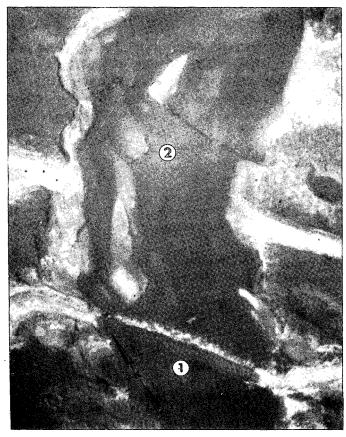
All piers have been reconstructed.

#### COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 250' x 20' (approx.) ford; probable rock/gravel base; 1830' N of main bridge; serviceable.

By-Pass No. 2 - constructed 280' x 20' (approx.) ford; probable rock/gravel base; 1890' N of main bridge; serviceable but not in use.

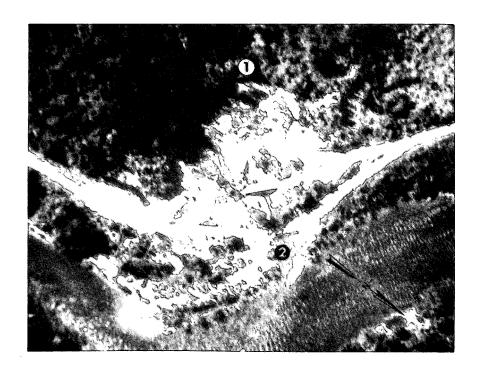




Declass Review by HWA & PO Release 206206F12E014-1ACLP78T05161A0016000900001429 declassification

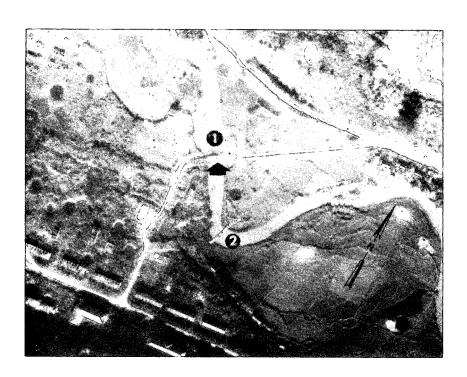
## Approved For Release 200000118ENHA-RDP78T05161A001600090001-3

|      |                         |  | DDI IMAGE  | RY ANALYSIS STAFF      |      | · · · · · · · · · · · · · · · · · · ·       | _                |
|------|-------------------------|--|------------|------------------------|------|---|------------------|
| 25X1 | over st                 | n Houei Cui Hwy. B<br>ream<br>No. 7 on NE 48-2 |            | COUNTRY  North Vietnam | 1    | COORDINATES<br>19 19N - 104 20E<br>VG298357 | -                |
| 25X1 | MAP                     |  | 48-2       |                        |      | BRIEF NO:<br>PIB 75501<br>February 1967     |                  |
| •    | LOCATION:               | l nm NW of Ban Ho                              | uei Cui on | Route 7.               |      |   | -                |
| 25X1 | LENGTH<br>Width<br>Type | 70' approx.                                    |            | MATERIAL CONCYE        | 1 0  | 50' approx.                                 |                  |
|      | status:<br>One          | e 10' span and the                             | 50' span d | ropped; one 10'        | span | moderately damaged.                         |                  |
|      | COMPENSATIV             | VE ACTION:                                     |            |                        | _    |   |                  |
|      | By-                     | -Pass No. l - sing<br>brid                     |            |                        |      | rox.) wood deck-type maged - serviceable.   | 25X <sup>2</sup> |
| 25X1 | By-                     | -Pass No. 2 - cons                             | tructed    |                        | able | rock/gravel base,                           |                  |
| 25X1 |                         |  |            |                        |      |   |                  |



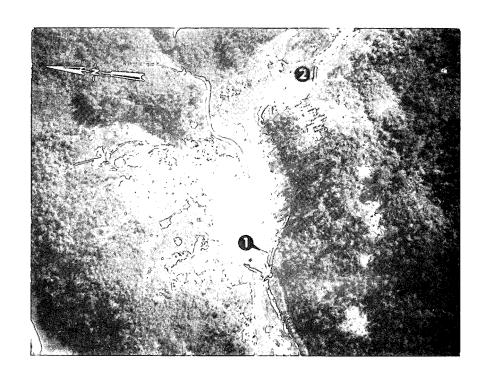
# Approved For Release 2002/08/17 DENTRAP78T05161A001600090001-3

| DDI IMAGERY ANALYSIS STAFF   |                             |                            |  |
|------------------------------|-----------------------------|----------------------------|--|
| NAME Son La Hwy. Bridge Cent | tral COUNTRY                | COORDINATES                |  |
| over Nam La                  |                             | 21 19N - 103 54E           |  |
| Bridge No. 35 on NF 48-10    | North Vietnam               | UJ877595                   |  |
|                              |                             | BRIEF NO:                  |  |
|                              |                             | PIB 75502                  |  |
|                              | 48_10                       | February 1967              |  |
| LOCATION: At Son La on Route | 6.                          |                            |  |
| DESCRIPTION:                 |                             |                            |  |
| LENGTH 60' approx.           | material Wood and           | l concrete                 |  |
| 10' approx.                  | NO. OF SPANS 2              |                            |  |
| Deck                         | LENGTH OF EACH SPAN         | 30' approx.                |  |
| STATUS:                      |                             |                            |  |
| l span and l abutment        | destroyed.                  |                            |  |
|                              | •                           |                            |  |
| COMPENSATIVE ACTION:         |                             |                            |  |
| By-Pass No. 1 - constr       | cucted 60' x 10' (approx.)  | ford; probable rock/gravel |  |
| base;                        | immediately N of main brid  | ge; serviceable.           |  |
| By-Pass No. 2 - multi-       | -span (approx.) wo          | ood deck-type bridge;      |  |
| 2001 \$                      | 5 of main bridge; deteriora | ted and unserviceable.     |  |
|                              | -                           |                            |  |
|                              |                             |                            |  |



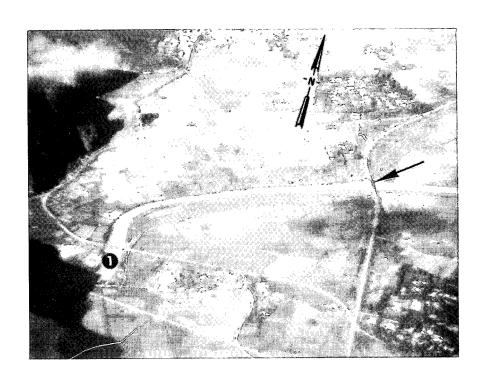
### Approved For Release 200**£0NF1DEMTRAE**78T05161A001600090001-3

|      | DDI IMAGERY ANALYSIS STAFF           |                         |                         |  |  |
|------|--------------------------------------|-------------------------|-------------------------|--|--|
|      | NAME Xom Ve Hwy. Bridge over         | COUNTRY                 | COORDINATES             |  |  |
| 25X1 | Rau Ve                               |                         | 17 54N - 105 49E        |  |  |
|      | Bridge No. 5 on NE 48-11             | North Vietnam           | WE870798                |  |  |
| 25X1 |                                      |                         | BRIEF NO:               |  |  |
|      |                                      |                         | PIB 75503               |  |  |
|      | JOG (A) 1501 NE 48-11                |                         | February 1967           |  |  |
|      | LOCATION: 1.2 nm SW of Xom Hung on R | Route 15.               |                         |  |  |
|      | DESCRIPTION:                         |                         |                         |  |  |
|      | LENGTH 165' approx.                  | MATERIAL Steel and      | concrete                |  |  |
| 25X1 | TYPE                                 | NO. OF SPANS            |                         |  |  |
|      | Half-through truss                   | LENGTH OF EACH SPAN 1   |                         |  |  |
|      | <u> </u>                             | 2 @                     | 2 35' approx.           |  |  |
| 25X1 | STATUS:                              |                         |                         |  |  |
|      | No change                            |                         |                         |  |  |
|      |                                      | l                       |                         |  |  |
|      | COMPENSATIVE ACTION:                 |                         |                         |  |  |
|      | By-Pass No. 1 - constructed 7        | O' x 10' (approx.) for  | d; probable rock/gravel |  |  |
|      | base; 4 <u>0' E o</u>                | f main bridge; services | able.                   |  |  |
| 25X1 | By-Pass No. 2 - 3-span               | (approx.) wood, decl    | x-type bridge with 15'  |  |  |
|      | spans, 780' E                        | of main bridge; servi   | ceable.                 |  |  |
|      |                                      |                         |                         |  |  |
| 25X1 |                                      |                         |                         |  |  |
|      |                                      |                         |                         |  |  |



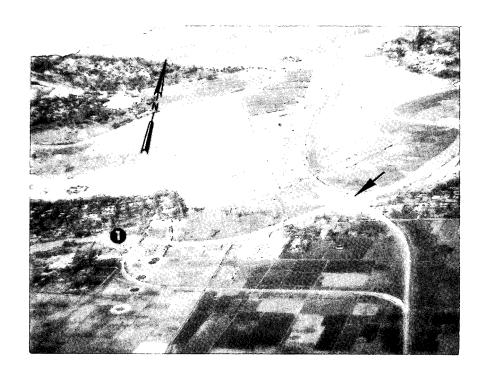
### Approved For Release 20**62718 FID: ENT-FA**P78T05161A001600090001-3

| •      | DDI IMAGERY ANALYSIS STAFF           |  |                  |  |  |  |
|--------|--------------------------------------|--|------------------|--|--|--|
| •      | NAME Thien Linh Dong RR. Bridge      | COUNTRY  | COORDINATES      |  |  |  |
| 25X1   | over Hoang Giang                     |  | 19 43N - 105 42E |  |  |  |
|        | Bridge No. 33 on NE 48-3             | North Vietnam  | XG748815         |  |  |  |
| 25X1 🛚 |                                      |  | BRIEF NO:        |  |  |  |
|        |                                      |  | PIB 75504        |  |  |  |
|        | MAP JOG (A) 1501 NE 48-3             |  | February 1967    |  |  |  |
|        | LOCATION: 0.5 nm N of Thien Linh Don | g on the Hanoi/Dong Hoi  | Rail Line.       |  |  |  |
|        | DESCRIPTION:                         |  |                  |  |  |  |
| 25X1   | WIDTH TYPE  Deck-girder              | material Steel and convo. of spans 2 Length of each span 401   |                  |  |  |  |
| 25X1   | STATUS: No change                    |  |                  |  |  |  |
| 25X1   |                                      | probable 4-span ck-beam bridge with spain bridge; repaired and |                  |  |  |  |
| 25X1   |                                      |  |                  |  |  |  |



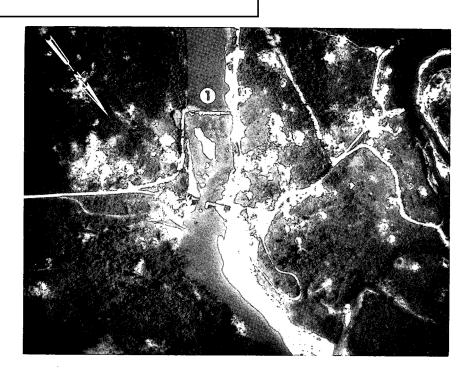
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|       |                         | DDI                                    | IMAGERY ANALYSIS STAFF                                |                            |      |
|-------|-------------------------|--|---|----------------------------|------|
|       | NAME T                  | ninh Lac RR. Bridge over               | COUNTRY   | COORDINATES                |      |
| 25X1  | stream                  |  |   | 19 40N - 105 42E           |      |
| 20/(1 | Bridge                  | No. 12 on NE 48-3                      | North Vietnam   | WG741748                   |      |
| 25X1  |                         |  | •   | BRIEF NO:                  |      |
| _0/(1 |                         |  |   | PIB 75505                  |      |
|       | MAP                     | JOG (A) 1501 NE 48-3                   |   | February 1967              |      |
|       | LOCATION:               | 0.2 nm E of Thinh Lac or               | n the Hanoi/Dong Hoi Ra                               | il Line.                   |      |
|       | DESCRIPTIO              | N:                                     |   |                            |      |
|       | LENGTH<br>WIDTH<br>Type | 100' approx. 10' approx. Through-truss | material Steel and No. of Spans 3 Length of Each Span | d concrete                 | 25X1 |
|       |                         |  |   | teel and timber deck-beam  |      |
| 25X1  | br                      | ridge approx.; v                       | with spans measuring 25                               | '; serviceable.            |      |
|       | COMPENSAT               | IVE ACTION:                            |   | _                          | 25X1 |
| 25X1  | Ву                      |  | 4-span<br>pridge with spans measure; serviceable.     | (approx.) steel and timber |      |
| 25X1  |                         |  |   |                            |      |



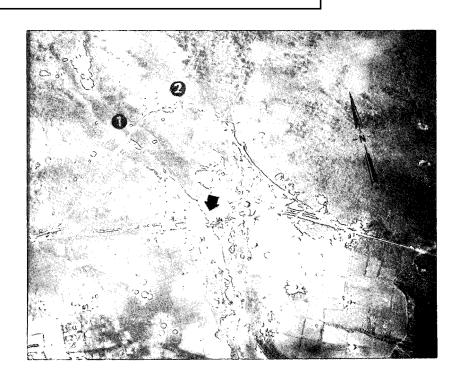
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|       | DDI IMAGE                             | RY ANALYSIS STAFF     |   |
|-------|---------------------------------------|-----------------------|---|
|       | NAME Xom Ca Trang Hwy. Bridge No. 1   | COUNTRY               | COORDINATES   |
| 25X1  | over Rao Cai                          |                       | 17 57N - 105 49E  |
|       | Bridge No. 3 on NE 48-11              | North Vietnam         | ■ WE873856  |
| 25X1  |                                       |                       | BRIEF NO:   |
|       |                                       |                       | PIB 75506   |
| '     | MAP JOG (A) 1501 NE 48-11             |                       | Tebruary 1967   |
|       | LOCATION: 0.6 nm W of Xom Ca Trang on | Route 15.             |   |
|       | DESCRIPTION:                          |                       |   |
| 25X1  | LENGTH 350' approx.                   | material Concrete a   |   |
| 20/(1 | Deck                                  | LENGTH OF EACH SPAN 2 | @ 90' approx.   |
|       |                                       | 2                     | @ 85' approx.   |
| 25X1  | STATUS:<br>No change                  |                       |   |
|       | COMPENSATIVE ACTION:                  |                       |   |
| 25X1  | By-Pass No. 1 - probable rock/s       | constructed 200' x    | 20' (approx.) ford; of main bridge; serviceable                           |
|       | By-Pass No. 2 - single span 270       | )' x 10' (approx.); s | teel and timber cable   |
|       | By-Pass No. 3 - single span 270       | )' x 10' (approx.); s | ssibly a dummy bridge.<br>teel and timber cable<br>ssibly a dummy bridge. |
| 25X1  |                                       |                       |   |



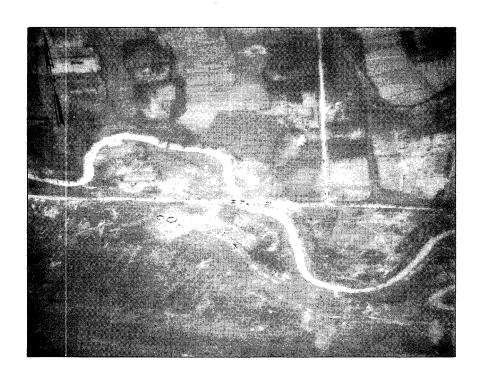
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|            | DDI IMAGERY ANALYSIS STAFF                                 |   |   |                                 |  |
|------------|--|---|---|---------------------------------|--|
| •          | NAME Xom Kh  | ne RR. Bridge over                              | COUNTRY   | COORDINATES                     |  |
| X1         | Khe Net  |   |   | 17 58N - 105 56E                |  |
|            | Bridge No.   | ll on NE 48-11                                  | North Vietnam                                     | WF987978                        |  |
| X1 [       |  |   |   | BRIEF NO:                       |  |
|            |  |   |   | PIB 75507                       |  |
| -          |  | G (A) 1501 NE 48-1.                             |   | February 1967                   |  |
|            | LOCATION: 0.2  | nm SW of Xom Khe on                             | n the Vinh/Dong Hoi Ra:                           | il Line.                        |  |
|            | DESCRIPTION:   |   |   |                                 |  |
|            | LENGTH 200   | O' approx.                                      | material Steel                                    | and timber                      |  |
| <b>X</b> 1 | (Single track) NO. OF SPANS 4                              |   |   |                                 |  |
|            | Deck-beam bridge supported LENGTH OF EACH SPAN 50' approx. |   |   |                                 |  |
|            |  | lattice towers                                  |   |                                 |  |
|            | Ū  |   | destroyed and is repla                            | aced by a 14 span, deck-beam    |  |
|            | bridge meas  | suring 230' x 5' app                            | rox. supported by A-fra                           | ames and cables. The rail lin   |  |
|            | does not co<br>bridge is u                                 | onnect with the segments only to shuttle stion: | ent of track over the a<br>material over the rive | bridge, suggesting that the er. |  |
|            |  |   |   | rox.) wood and steel deck-bear  |  |
|            | _5   | <b>-</b>  | pported by A-frames, wi                           | ·                               |  |
| <b>X</b> 1 | approx.; 1170' N of main bridge;                           |   |   |                                 |  |
|            | serviceable.   |   |   |                                 |  |
|            | By-Pas   | s No. 2 - 15 span 27                            | 25' x 5' (approx.) wood                           | d and steel deck-beam bridge    |  |
|            | · ·  |   |   | ns measuring 15 @ 15' approx.   |  |
|            |  |   |   |                                 |  |



## Approved For Release 2002/09/12 DEIN-FIAR 78T05161A001600090001-3

|      | DDI IMAGERY ANALYSIS STAFF |                                      |   |                              |  |
|------|----------------------------|--------------------------------------|---|------------------------------|--|
| •    | N AME                      |                                      | COUNTRY   | COORDINATES                  |  |
|      |                            | Hao Hwy. Bridge<br>No. 26 on NE 48-3 | North Vietnam                                       | 19 32N - 105 47E<br>WG825599 |  |
| 25X1 |                            |                                      |   | BRIEF NO:<br>PIB 75508       |  |
|      | MAP                        | JOG (A) 1501 NE 48-3                 |   | February 1967                |  |
|      | LOCATION:                  | 0.9 nm E of Lien Ho Hao on           | Route 701.  |                              |  |
|      | DESCRIPTION                | l <b>:</b>                           |   |                              |  |
| 25X1 | LENGTH<br>WIDTH<br>Type    | 60' approx.  Deck                    | material Wood no. of spans 1 length of each span 60 | 'approx.                     |  |
|      | status:<br>Br              | idge rebuilt and serviceable         | e.  |                              |  |
|      | COMPENSATION               |                                      |   |                              |  |
| 25X1 |                            |                                      |   |                              |  |



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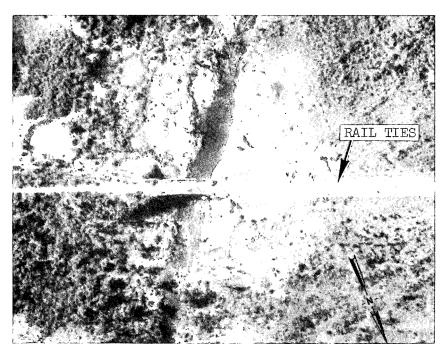
|             |                        | DDI IMAGERY ANALYSIS STAFF |                                |
|-------------|------------------------|----------------------------|--------------------------------|
| NAME        |                        | COUNTRY                    | COORDINATES                    |
| Dong Ta     | m RR. Bridge           |                            | 17 49N - 106 06E               |
|             | No. 18 on NE 48-11     | North Vietnam              | XE166716                       |
|             |                        |                            | BRIEF NO:                      |
|             |                        |                            | PIB 75509                      |
| MAP         | JOG (A) 1501 NE 48-    | -1.1                       | February 1967                  |
| LOCATION:   | 0.3 nm SW of Dong Tan  | n on an abandoned segmen   | rt of the Vinh/Dong Hoi Rail I |
| DESCRIPTION | <b>(</b> :             |                            |                                |
| LENGTH      | 60' approx.            | MATERIAL Timber            | and steel                      |
| WIDTH       | 15' approx.            | NO. OF SPANS               |                                |
| TYPE        | Deck                   | LENGTH OF EACH SPAN        | 60' approx.                    |
| STATUS:     |                        |                            |                                |
|             | _                      |                            | m bridge supported by A-frame  |
| fo          | r probable future rail | L traffic.                 |                                |
| COMPENSAT   | VE ACTION:             |                            |                                |
| By          | -Pass No. 1 - construc | eted (approx.)             | ford; probable rock/gravel     |
| v           |                        | 0' NNE of main bridge;     | serviceable to vehicles.       |
|             |                        | tod (annroy)               | ford; probable rock/gravel     |
| Ву          | -Pass No. 2 - construc | (approx•)                  | TOTA, Propagate room, Gravor   |



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| '     | DDI IMAGERY ANALYSIS STAFF          |   |                     |  |  |  |
|-------|-------------------------------------|---|---------------------|--|--|--|
| ,     | NAME Kieu Moc Phuong Hwy. Bridge    | COUNTRY   | COORDINATES         |  |  |  |
| 25X1  | SE over stream                      |   | 17 50N - 106 05E    |  |  |  |
| 05)// | Bridge No. 21 on NE 48-11           | North Vietnam   | XE155726            |  |  |  |
| 25X1  |                                     |   | BRIEF NO:           |  |  |  |
|       |                                     |   | PIB 75510           |  |  |  |
|       | MAP JOG (A) 1501 NE 48-11           | ,   | <b>T</b> March 1967 |  |  |  |
|       | LOCATION: 0.5 nm SE of Ha Son Trang | on the Vinh/Dong Hoi Re   | ail Line.           |  |  |  |
|       | DESCRIPTION:                        |   |                     |  |  |  |
| 25X1  | WIDTH 501 TYPE Deck                 | material Concrete<br>no. of spans 1<br>length of each span 50   | 1                   |  |  |  |
| 25X1  | No change                           |   |                     |  |  |  |
|       | COMPENSATIVE ACTION:                |   |                     |  |  |  |
| 25X1  |                                     | ford; probable nain bridge; serviceable ass not shown on photo) |                     |  |  |  |
| 25X1  |                                     |   |                     |  |  |  |

NOTE: All measurements are approximate.



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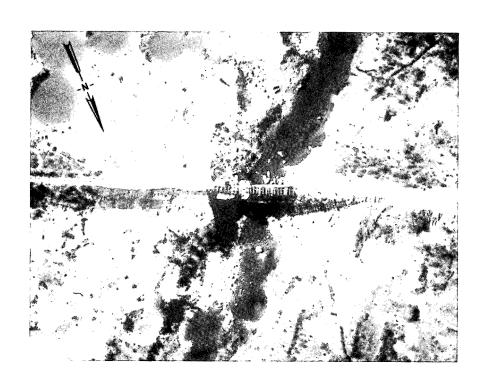
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|            | DDI IMA                     | GERY ANALYSIS STAFF     |                          |
|------------|-----------------------------|-------------------------|--------------------------|
| NAME Ha    | Son Trang RR. Bridge over   | COUNTRY                 | COORDINATES              |
| stream     |                             |                         | 17 50N - 106 04E         |
|            | No. 24 on NE 48-11          | North Vietnam           | XE143735                 |
|            |                             |                         | BRIEF NO:                |
|            |                             |                         | PIB 75511                |
| MAP        | JOG (A) 1501 NE 48-11       |                         | February 1967            |
| LOCATION:  | 0.4 nm N of Ha Son Trang o  | on Vinh/Dong Hoi Rail L | ine.                     |
| DESCRIPTIO | N:                          |                         |                          |
| LENGTH     | 40' approx.                 | MATERIAL Concrete       |                          |
| WIDTH      | 10' approx.                 | NO. OF SPANS   probab   | Le                       |
| TYPE       | Deck                        | LENGTH OF EACH SPAN 40  | approx.                  |
| STATUS:    | erviceable to rail traffic. |                         |                          |
| 90         | erviceable co tail cialife. |                         |                          |
| COMPENSAT  | IVE ACTION:                 |                         |                          |
| Въ         | y-Pass No. 1 - 3-span       | (approx.) timber de     | ck bridge with 15' spans |
| 2,         |                             | n bridge; serviceable   |                          |
|            |                             | <b>.</b>                |                          |
|            |                             |                         |                          |
|            |                             |                         |                          |



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|       | DDI IMAGERY ANALYSIS STAFF |   |                                   |   |        |  |
|-------|----------------------------|---|-----------------------------------|---|--------|--|
|       | NAME Kie                   | u Moc Phuong RR. Bridge W                           | COUNTRY                           | COORDINATES   |        |  |
| 25X1  | over st<br><u>Bridge</u>   | ream  | North Vietnam                     | 17 51N - 106 03E<br>XE128743                            |        |  |
| 25X1  |                            |   |                                   | BRIEF NO:   | ,      |  |
| 20/(1 |                            |   |                                   | PIB 75512   |        |  |
|       | MAP                        | JOG (A) 1501 NE 48-11                               |                                   | February 1967   |        |  |
|       | LOCATION:                  | 0.8 nm SE of Tam Dong Phuo                          | ng on Vinh/Dong Hoi               | Rail Line.  |        |  |
|       | DESCRIPTION                | N:  |                                   |   |        |  |
| 25X1  | LENGTH<br>WIDTH<br>Type    | 90' approx. (Single track)                          |                                   |   | 05.//4 |  |
|       | STATUS:                    | Deck-beam with bents                                |                                   |   | 25X1   |  |
|       |                            | rviceable.  |                                   |   |        |  |
|       | COMPENSATI                 | VE ACTION:  |                                   |   |        |  |
| 25X1  | Ву                         | -Pass No. 1 - constructed<br>base; 600' NE<br>only. | (approx.) for of main bridge; ser | rd; probable rock/gravel<br>viceable to vehicle traffic | 3      |  |
| 25X1  |                            |   |                                   |   |        |  |



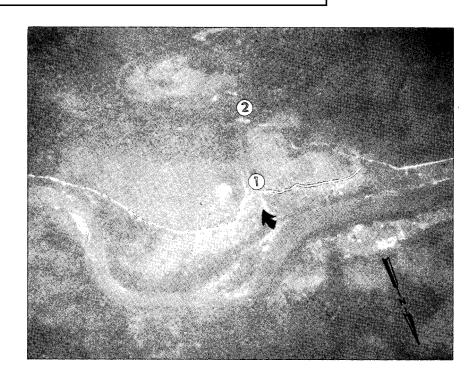
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|               | DDI IMAGERY ANALYSIS STAFF |                          |           |                             |                           |
|---------------|----------------------------|--------------------------|-----------|-----------------------------|---------------------------|
| _             | NAME DO                    | ng <u>Bai Hwy</u> . Brid | ge over   | COUNTRY                     | COORDINATES               |
| (1            | Khe Nga                    |                          |           |                             | 17 38N - 106 17E          |
| ` '           | _                          | No. 41 on NE 48-         | 11        | North Vietnam               | XE364506                  |
| (1 <b>[</b>   |                            |                          |           | , 2102 011 7 2 0 0110(111)  | BRIEF NO:                 |
| ``            |                            |                          |           |                             | PIB 75513                 |
| _             | MAP                        | JOG (A) 1501             | NE 48-11  |                             | February 1967             |
|               | LOCATION:                  | 0.8 nm E of Don          |           | oute 101.                   |                           |
|               |                            |                          | C         | •                           |                           |
|               | DESCRIPTION                | N:                       |           |                             |                           |
|               | LENGTH                     | 40' approx.              |           | material Wood               |                           |
|               | WIDTH<br>Type              | 10' approx.              |           |                             | ndetermined               |
|               | ITPE                       | Deck                     |           | LENGTH OF EACH S            | PAN Undetermined          |
|               | status:<br>Pa              | rtially reconstr         | ucted.    |                             |                           |
|               | COMPENSATI                 | VE ACTION:               |           |                             |                           |
| (1            | Ву                         | -Pass No. l - si<br>60   |           | (approx<br>main bridge; ser | .) wood deck-type bridge; |
| <b>(</b> 1    | Ву                         | -Pass No. 2 - si         | ngle span |                             | .) wood deck-type bridge; |
| <b>&lt;</b> 1 | By                         | -Pass No. 3 - si         | ngle span | (approx.<br>main bridge; se | .) wood deck-type bridge; |
| <b>〈</b> 1    |                            |                          |           |                             |                           |



### Approved For Release 200**£/08/1/2 DEN TIM**278T05161A001600090001-3

|      | DDI IM   | AGERY ANALYSIS STAFF                                    |   | <del>_</del> |
|------|--|---|---|--------------|
|      | NAME   | COUNTRY   | COORDINATES                               |              |
|      | Ban Pieng Hom Hwy. Bridge<br>Bridge No. 3 on NE 48-2 | North Vietnam   | 19 22N - 104 13E<br>VG187418              |              |
| 25X1 |  |   | BRIEF NO:<br>PIB 75514                    |              |
|      | MAP JOG (A) 1501 NE 48-2                             |   | March 1967                                |              |
|      | LOCATION: 1 nm NW of Ban Pieng Hom                   | on Route 7.   | · <del>·</del>                            |              |
|      | DESCRIPTION:   |   |   |              |
|      | LENGTH 150' approx. WIDTH 10' approx. TYPE Deck      | material Concrete no. of spans 3 LENGTH OF EACH SPAN 50 | * approx.                                 |              |
| 25X1 | STATUS:<br>No change                                 | ]   |   |              |
|      | COMPENSATIVE ACTION:                                 |   |   | 051/4        |
| 25X1 | By-Pass No. 1 -                                      | no change   |   | 25X1         |
| 25X1 | By-Pass No. 2 - single-span                          |   | bable wood deck-type<br>ably serviceable. |              |
| 25X1 |  |   |   |              |



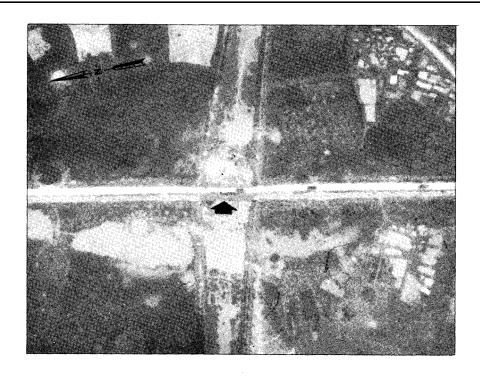
### Approved For Release 200**@QNFIDEMTRAP**78T05161A001600090001-3

| DDI IMAGERY ANALYSIS STAFF |                          |                 |                                 |  |
|----------------------------|--------------------------|-----------------|---------------------------------|--|
| N AME                      | Long Ngoc RR. a          | nd Hwy. Bridge  | COUNTRY                         | COORDINATES  |
|                            | nown barrier             |                 |                                 | 19 05N - 105 35E                                   |
| Bridge N                   | o. 48 on NE 48-          | 3               | North Vietnam                   | W <b>G</b> 629112                                  |
|                            |                          |                 |                                 | BRIEF NO:  |
|                            |                          |                 |                                 | PIB 75515  |
| MAP                        | JOG (A) 150 <u>1</u>     | NE 48-3         |                                 | March 1967   |
| LOCATION                   | •: 0.5 nm SW of 1        | Xom Con Thanh o | on Route LA.                    |  |
| DESCRIPT                   | ION:                     |                 |                                 |  |
| LENGTH                     | 120' approx.             |                 | material Stee                   | l and concrete                                     |
| WIDTH                      |                          |                 | NO. OF SPANS                    |  |
|                            | IO Annrox.               |                 |                                 |  |
| TYPE                       | 10' approx.<br>Deck      |                 |                                 | span 40' approx.                                   |
| STATUS:                    | Deck                     |                 | LENGTH OF EACH                  | span 40' approx.                                   |
| STATUS:                    | Deck                     | ossibly repaire | LENGTH OF EACH                  | ill to form a causeway.                            |
| STATUS:                    | Deck                     | ossibly repaire | LENGTH OF EACH                  | span 40' approx.                                   |
| STATUS:                    | Deck Serviceable - po    | ossibly repaire | tength of each sed using rock f | ill to form a causeway.                            |
| STATUS:                    | Deck<br>Serviceable - po |                 | tength of Each sed using rock f | ill to form a causeway.  (approx.) timber deck typ |
| STATUS:                    | Deck Serviceable - po    |                 | ed using rock f                 | span 40' approx.                                   |



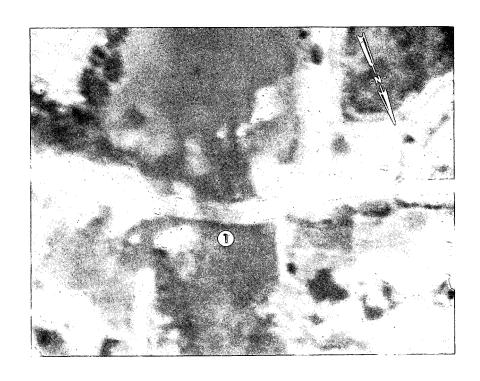
### Approved For Release 2002 (CONF! DEN RIAT/8T05161A001600090001-3

|      | DDI IMAGERY ANALYSIS STAFF                                    |                              |  |  |  |  |
|------|---|------------------------------|--|--|--|--|
|      | NAME Long Ngoc RR. and Hwy. Bridge COUNTRY                    | COORDINATES                  |  |  |  |  |
|      | over unknown barrier  Bridge No. 19 on NE 48-3  North Vietnam | 19 05N - 105 35E<br>WG628112 |  |  |  |  |
|      | bridge No. 19 on ME 40-3 Morth vietham                        | BRIEF NO:                    |  |  |  |  |
| 25X1 |   | PIB 75516                    |  |  |  |  |
|      | MAP JOG (A) 1501 NE 48-3                                      | March 1967                   |  |  |  |  |
|      | LOCATION: 0.5 nm SW of Xom Con Thanh on Hanoi/Dong Ho         |                              |  |  |  |  |
|      | DESCRIPTION:  |                              |  |  |  |  |
| 25X1 | WIDTH Cincle troots No. OF SPANS 3                            | rete and steel               |  |  |  |  |
|      | STATUS:  Repaired and serviceable.                            |                              |  |  |  |  |
|      | COMPENSATIVE ACTION:  |                              |  |  |  |  |
|      | AM  |                              |  |  |  |  |
| 25X1 |   |                              |  |  |  |  |



### Approved For Release 20(70) FINT-FALP78T05161A001600090001-3

| -         |                               | DDI IMA                                       | GERY ANALYSIS STAFF                                   |   |
|-----------|-------------------------------|---|---|---|
| -<br>25X1 | stream                        | c Dien Hwy. Bridge over<br>No. 12 on NE 48-11 | COUNTRY  North Vietnam                                | coordinates<br>17 45N - 106 23E<br>XE472640 |
| 25X1      | MAP                           | JOG (A) 1501 NE 48-11                         |   | BRIEF NO:<br>PIB 75517<br>March 1967        |
| -         | LOCATION:                     |   | Route 110.  |   |
|           | DESCRIPTION LENGTH WIDTH TYPE | N:<br>45' approx.<br>10' approx.<br>Deck      | MATERIAL Timber NO. OF SPANS 3 LENGTH OF EACH SPAN 15 | approx.                                     |
| 25X1      | STATUS:                       | change  | ]   |   |
| 25X1      | compensat<br>By               | -Pass No. 1 - constructed                     | approx. ford;<br>ide main bridge; service             | probable rock/gravel                        |
| 25X1      |                               |   |   |   |

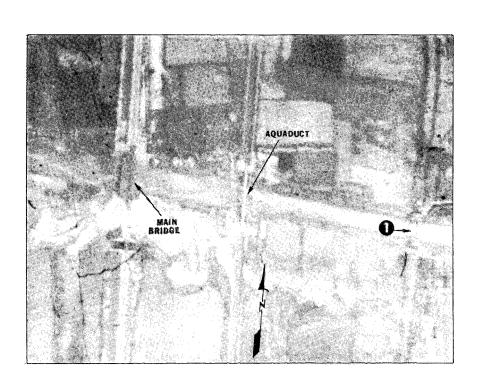


### Approved For Release 200**2000 PLAN** 78T05161A001600090001-3

|                         | DDI IMAG  | ERY ANALYSIS STAFF      | ·  |
|-------------------------|---|-------------------------|--|
| N AME                   |   | COUNTRY                 | COORDINATES                                |
| Tu My RR                |   |                         | 18 59N - 105 34E                           |
| Bridge No               | o. 89 on NE 48-7  | North Vietnam           | WG611001                                   |
|                         |   |                         | PIB 75518                                  |
| MAP<br>LOCATION:        | JOG (A) 1501 NE 48-7<br>O.1 nm E of Tu My on the Ha           | anoi/Dong Hoi Rail Line | March 1967                                 |
| DESCRIPTION             | :   |                         |  |
| LENGTH<br>Width<br>Type | 60' approx.<br>10' approx. (Single track)<br>Deck-beam        | NO OF SPANS O           | ed, concrete, and steel<br>e approx.       |
| status:<br>Bri          | idge has been rebuilt.  |                         |  |
| COMPENSATI              | VE ACTION:  |                         |  |
| By                      | -Pass No. 1 - single-span<br>bridge; 300' I<br>unserviceable, | E of main bridge; parti | able wood deck-beam<br>ally dismantled and |

25X1

25X1



### Approved For Release 200**2/04/F2 DENT-IAP**78T05161A001600090001-3

| DDI IMAGERY ANALYSIS STAFF     |         |                  |  |  |
|--------------------------------|---------|------------------|--|--|
| NAME Ban Thay Hwy. Bridge over | COUNTRY | COORDINATES      |  |  |
| Houei Acai                     |         | 16 35N - 106 05E |  |  |
| Bridge No. 1L on NE 48-15      | Laos    | XD161342         |  |  |
|                                |         | BRIEF NO:        |  |  |
|                                |         | PIB 75519        |  |  |
| MAP JOG (A) 1501 NE 48-15      |         | March 1967       |  |  |

LOCATION: 1.2 nm NE of Ban Thay on Route 9.

#### DESCRIPTION:

25X1

25X1

TYPE

TYPE

75' approx.

10' approx.

Deck

MATERIAL Timber

NO. OF SPANS 3 probable

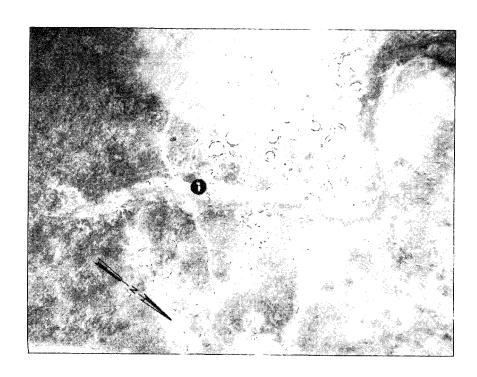
LENGTH OF EACH SPAN 25' approx.

#### STATUS:

All spans dropped.

#### COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 55' x 10' (approx.) ford; probable rock/gravel base; 275' S of main bridge; serviceable.



### Approved For Release 2002/09NE/DEN-RIA-78T05161A001600090001-3

DDI IMAGERY ANALYSIS STAFF

NAME Na Khao Hwy. Bridge over Country Coordinates
Houei Vong 20 20N - 104 19E
Bridge No. 5L on NF 48-14 Laos VH299495

BRIEF NO:
PIB 75520
MAP JOG (A) 1501 NF 48-14 March 1967

LOCATION: 0.8 nm SW of Ban Nahia on Route 65.

#### DESCRIPTION:

LENGTH 100' approx.
WIDTH 10' approx.
TYPE Deck

NO. OF SPANS 4 probable
LENGTH OF EACH SPAN 25' approx.

STATUS:

1 abutment destroyed, 4 spans destroyed.

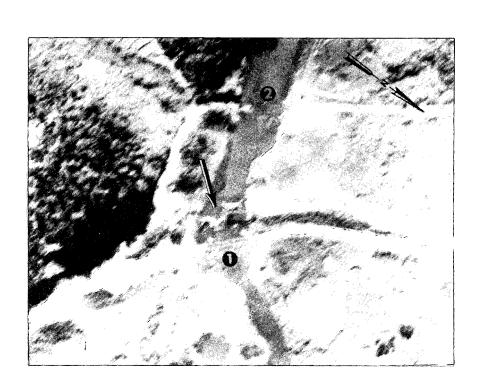
#### COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 100' x 15' (approx.) ford; probable rock/gravel base; 45' NE of main bridge; serviceable.

By-Pass No. 2 - constructed 100' x 15' (approx.) ford; probable rock/gravel base; 200' SW of main bridge; serviceable.

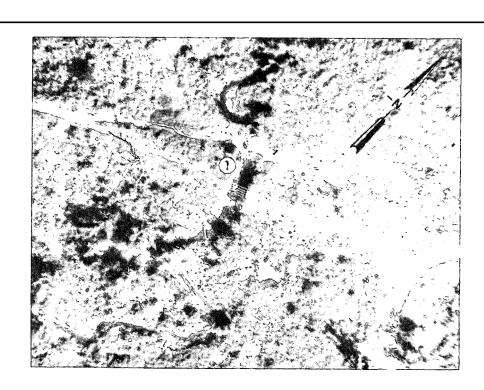
25X1

25X1



## Approved For Release 2002/09/12/DEN-RIAR78T05161A001600090001-3

|                         | DD   | I IMAGERY ANALYSIS STAFF                       |   |
|-------------------------|--|--|---|
|                         | Hwy. Bridge No. 2<br>No. 14L on NE 48-15             | COUNTRY  Laos                                  | COORDINATES<br>16 41N - 106 15E<br>XD328454 |
|                         |  |  | BRIEF NO:<br>PIB 75521                      |
| MAP                     | JOG (A) 1501 NE 48-15                                |  | March 1967                                  |
| LOCATION:               | 0.3 nm NE of Sepone on                               | Route 9.                                       |   |
| DESCRIPTIO              | N:   |  |   |
| LENGTH<br>Width<br>Type | 15'<br>10'<br>Deck                                   | material Wood no. of spans 1 length of each sp | decking and concrete abuta                  |
| status:<br>Ne<br>re     | w probable beams have be<br>moveable decking has bee | een laid on the old an noted; approaches       | abutments. No sign of appear unused.        |
|                         |  |  |   |



### Approved For Release 200@04174DENTROP78T05161A001600090001-3

NAME Muong Dai Hwy. Bridge over COUNTRY COORDINATES

Nam Soi 20 17N - 104 37E

Bridge No. 4L on NF 48-14 Laos VH609438

BRIEF NO:

PIB 75522

March 1967

LOCATION: At Muong Dai on an unnumbered route.

#### DESCRIPTION:

WIDTH TYPE 60' approx.

10' approx.
Deck

MATERIAL Concrete
NO. OF SPANS 2
LENGTH OF EACH SPAN 30' approx.

#### STATUS:

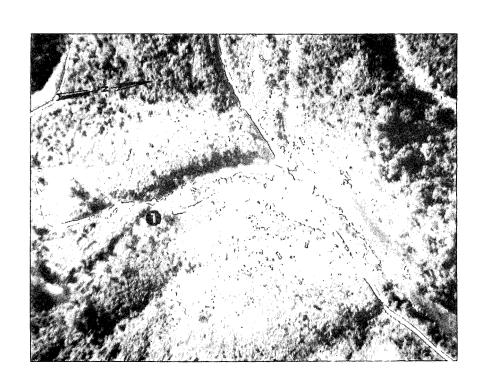
1 abutment slightly damaged; bridge repaired and serviceable.

#### COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 90' x 15' (approx.) ford; probable rock/gravel base; 530' S of main bridge; serviceable.

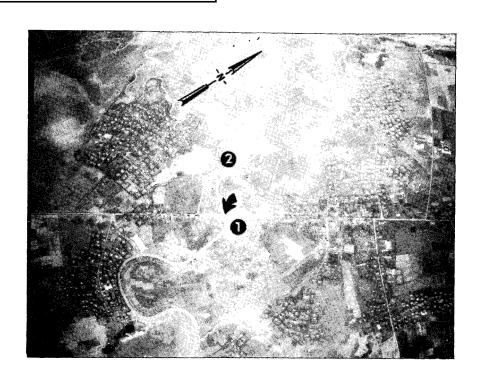
25X1

25X1



### Approved For Release 2002((3NF)DEA) R 128T05161A001600090001-3

|      |  | DE                                     | NI IMAGERY ANALYSIS STAFF                  |                       |             |  |
|------|--|--|--|-----------------------|-------------|--|
|      | N AME M  | y Hoa Hwy. Bridge over                 | COUNTRY                                    | COORDINATES           | _           |  |
| 25X1 | Song Di  |  |  | 19 08N - 105 37E      |             |  |
|      | Bridge   | No. 11 on NE 48-3                      | North Vietnam                              | WG662160<br>BRIEF NO: | _           |  |
| 25X1 |  |  |  | PIB 75523             |             |  |
|      | MAP  | JOG (A) 1501 NE 48-3                   |  | March 1967            |             |  |
|      | LOCATION:  | 0.8 nm NE of Cao Hau o                 | n Route LA.                                |                       | <del></del> |  |
|      | DESCRIPTION  | on:                                    |  |                       |             |  |
|      | LENGTH   | 95' approx.                            |  | imber, concrete       |             |  |
|      | WIDTH<br>Type  | lO' approx.<br>Deck                    | NO. OF SPANS 4 appr<br>LENGTH OF EACH SPAN | ox.                   | 25X1        |  |
|      | status:<br>Re  | epaired and serviceable.               | _  |                       |             |  |
|      | COMPENSAT  | IVE ACTION:                            |  |                       |             |  |
| 25X1 | By-Pass No. 1 - single span (approx.) timber deck-type bridge with approach causeways on either side; adjacent to SE side of main bridge; serviceable. |  |  |                       |             |  |
|      | Ву   | y-Pass No. 2 - possible r<br>length of |  |                       | .dge;       |  |
| 25X1 |  |  |  |                       |             |  |



### Approved For Release 200**2/09/17/DEN 17/07/**78T05161A001600090001-3

| •    | DDI IMAGERY ANALYSIS STAFF |   |   |   |     |
|------|----------------------------|---|---|---|-----|
|      | NAME Con                   | Son Hwy. Bridge over  | COUNTRY   | COORDINATES   |     |
| 25X1 | stream [<br>Bridge N       | To. 25 on NE 48-3   | North Vietnam                                   | 19 42N - 105 41E<br>WG727786  |     |
| 25X1 |                            |   |   | BRIEF NO:<br>PIB 75525  |     |
|      | MAP                        | JOG (A) 1501 NE 48-3  |   | March 1967  |     |
|      | LOCATION:                  | At the NE edge of Con Son   | on Route 704.                                   |   |     |
|      | DESCRIPTIO                 | N:  |   |   |     |
| 25X1 | LENGTH<br>WIDTH<br>Type    | 165' approx.  Deck with probable  | MATERIAL Concrete NO. OF SPANS 4 probab         |   | 25X |
|      |                            | concrete bents<br>spans dropped; 2 spans ligh<br>bent severely damaged. | ntly damaged; 1 abutmen                         | t severely damaged;   |     |
|      | COMPENSAT                  |   |   |   |     |
| 25X1 | Ву                         | <del>-</del>  | easuring 1 @ 25' and 5 (ge; under construction, | and steel deck-beam brid<br>@ 15' (approx.); 850' NW<br>possibly serviceable to | Ī   |
|      | By                         | -Pass No. 2 - ferry landing no ferry boat                               | gs located 550'S of ma:                         | in bridge; serviceable;   |     |



### Approved For Release 200**20NF2DENTRA**P78T05161A001600090001-3

| DDI I                               | MAGERY ANALYSIS STAFF |                              |
|-------------------------------------|-----------------------|------------------------------|
| NAME Tho Trang RR. Bridge over      | COUNTRY               | COORDINATES                  |
| stream                              | North Vietnam         | 19 09N - 105 37E<br>WG649181 |
|                                     |                       | BRIEF NO:                    |
|                                     |                       | PIB 75526                    |
| MAP JOG (A) 1501 NE 48-3            |                       | March 1967                   |
| LOCATION: 0.5 nm SE of Tho Trang on | n Hanoi/Dong Hoi Rail | Line.                        |

#### DESCRIPTION:

25X1

25X1

LENGTH WIDTH

60' approx.

10' approx. (Single track) Half-through truss

Steel and concrete

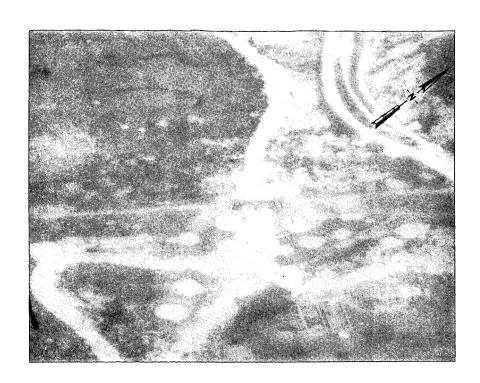
LENGTH OF EACH SPAN 301 approx.

STATUS:

Repaired; serviceable.

#### COMPENSATIVE ACTION:

None



## Approved For Release 2002/09/12/DEN-REA-78T05161A001600090001-3

|                 | DDI IMAG   | ERY ANALYSIS STAFF   |   |
|-----------------|--|--|---|
| Se Bang         | Hieng  | COUNTRY  | COORDINATES  16 16N - 105 58E  XC029998   |
|                 |  |  | BRIEF NO:<br>PIB 75527  |
| MAP             | JOG (A) 1501 NE 48-15  |  | March 1967  |
| LOCATION:       |  | Route 23.  |   |
| DESCRIPTION     | <b>\:</b>  | ~  | _   |
| LENGTH<br>WIDTH | 885' approx.   | material Steel No. of spans 5  | and concrete  |
| TYPE            | Combination half-through   | LENGTH OF EACH SPAN  | half-through truss @ 200'   |
| STATUS:         | ,  |  | approx.; 2 through truss @ 200' approx.; 1 deck @ 85' approx.   |
|                 | Se Bang Bridge  MAP LOCATION: DESCRIPTION LENGTH WIDTH TYPE  STATUS: | NAME Ban That Hai Hwy. Bridge over Se Bang Hieng Bridge No. 26L on NE 48-15  MAP JOG (A) 1501 NE 48-15  LOCATION: 3.3 nm SE of Ban Kamep on Bescription:  LENGTH 885' approx.  WIDTH TYPE Combination half-through truss/through truss/deck  STATUS: | Se Bang Hieng Bridge No. 26L on NE 48-15  LOCATION: 3.3 nm SE of Ban Kamep on Route 23.  DESCRIPTION:  LENGTH 885' approx.  WIDTH TYPE Combination half-through truss/through truss/deck  MATERIAL Steel NO. OF SPANS 5 LENGTH OF EACH SPAN |

l through truss span dropped; bridge is unserviceable.

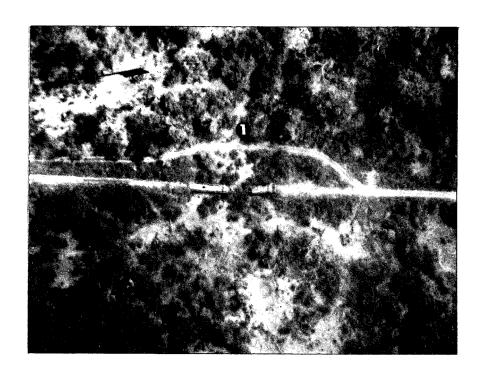
### COMPENSATIVE ACTION:

None



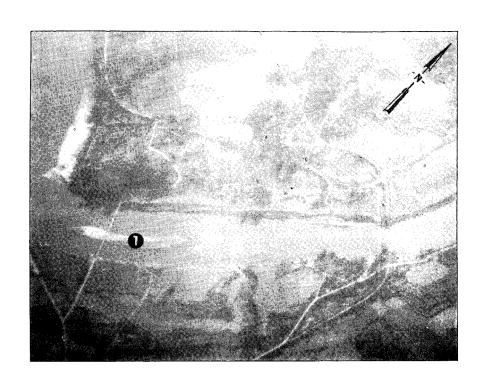
# Approved For Release 2002/08/12 PHTRAP78T05161A001600090001-3

|      | DDII  | IMAGERY ANALYSIS STAFF  |   |       |
|------|---|---|---|-------|
| 25X1 | over Houei Khao                                       | COUNTRY   | COORDINATES 17 33N - 105 10E              |       |
| 25X1 | Bridge No. 38L on NE 48-11  MAP JOG (A) 1501 NE 48-11 | Laos  | WE183407  BRIEF NO: PIB 75528  March 1967 | -     |
|      | LOCATION: 1.3 nm NE of Ban Phon Khe                   | en on Route 8.  | ration 190                                |       |
| 25X1 | DESCRIPTION:  LENGTH WIDTH TYPE  Deck                 | MATERIAL WOOD<br>NO. OF SPANS 8 POSSIB<br>LENGTH OF EACH SPAN | <u>le</u>                                 | 25X1  |
|      | STATUS: 3 spans destroyed; 2 spans                    | severely damaged.   |   |       |
| 0EV4 | COMPENSATIVE ACTION:                                  | 7   |   |       |
| 25X1 | By-Pass No. 1 - natural                               | (approx.) ford; 50' E o                                       | i main bridge; services                   | spre. |



### Approved For Release 200**20112 DEN-TIAL**78T05161A001600090001-3

|      | DDI IMAGERY ANALYSIS STAFF                                     |   |   |                          |
|------|--|---|---|--------------------------|
| •    | NAME Vie   | t Tri RR. and Hwy. Bridge                 | COUNTRY                                       | COORDINATES              |
| 25X1 | over Riv   | riere Claire                              |   | 21 17N - 105 26E         |
|      | Bridge N   | o. 11 on NF 48-11                         | North Vietnam                                 | WJ466550                 |
| 25X1 |  |   |   | BRIEF NO:                |
|      |  |   |   | PIB 75529                |
| _    | MAP  | JOG (A) 1501 NF 48-11                     |   | March 1967               |
| ·    | LOCATION:  | 0.7 nm E of Viet Tri on the               | e Hanoi/Lao Cai Rail Li                       | ne and Route 2.          |
|      | DESCRIPTION:  LENGTH 10001 approx  MATERIAL Steel and concrete |   |   |                          |
| 25X1 | LENGTH<br>Width<br>Type  | 1000' approx.                             | NO. OF SPANS 4                                |                          |
|      | status: 4  | Through truss spans and 3 piers destroyed |   |                          |
| 25X1 | compensati<br>By   | -Pass No. 1 (app                          | prox.) wood deck highwa<br>idge; serviceable. | y pontoon bridge; 0.7 nm |



### Approved For Release 2002((3)) \$\frac{1}{2} \frac{1}{2} \frac{1}{2

|       | DDI IMA  | GERY ANALYSIS STAFF     |                              |
|-------|--|-------------------------|------------------------------|
| N     | AME  | COUNTRY                 | COORDINATES                  |
|       | San Thai Oum Hwy. Bridge/Causeway<br>Bridge No. 44 on NF 48-10 | North Vietnam           | 21 16N - 104 40E<br>VJ654525 |
| 5X1 🗀 |  |                         | BRIEF NO:                    |
| ·     |  |                         | PIB 75530                    |
|       | MAP JOG (A) 1501 NF 48-10                                      |                         | TFebruary 1967               |
| L     | ocation: 0.9 nm W of Ban Thai Oum o                            | on realigned segment of | Route 13A.                   |
| D     | ESCRIPTION:  |                         |                              |

25X1

LENGTH WIDTH TYPE

220' approx. Deck/causeway

MATERIAL Concrete, earthen fill NO. OF SPANS 16 LENGTH OF EACH SPAN

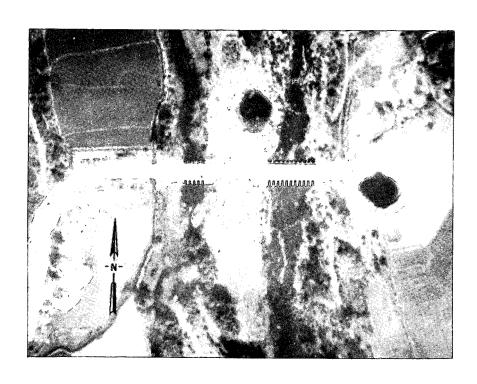
25X1 25X1 Causeway length

STATUS:

Undamaged; although this bridge/causeway has been constructed to by-pass a ford located 4000' (approx.) to the south, it will now be assessed as the main bridge.

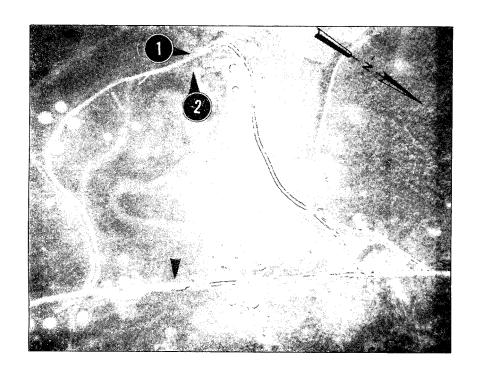
COMPENSATIVE ACTION:

By-Pass No. 1 - natural 120' (approx.) ford; original river crossing of Route 13A; ford appears to be in disuse, however probably is serviceable.



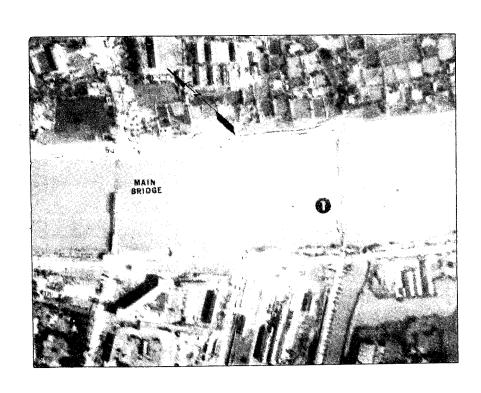
## Approved For Release 2002 09 12 DEIN-FILAT 78T05161A001600090001-3

| DDI IMAGERY ANALYSIS STAFF |                                     |  |   |  |
|----------------------------|-------------------------------------|--|---|--|
| N AME                      |                                     | COUNTRY  | COORDINATES   |  |
|                            | on Hwy. Bridge<br>No. 41 on NE 48-7 | North Vietnam  | 18 56N - 105 03E<br>WF062950                              |  |
|                            |                                     |  | BRIEF NO:   |  |
|                            |                                     |  | PIB 75531   |  |
| MAP                        | JOG (A) 1501 NE 48-                 |  | February 1967   |  |
| LOCATION:                  | 0.6 nm SSW of Phuc So               | n on Route 7.  |   |  |
| DESCRIPTIO                 | N:                                  |  |   |  |
| LENGTH<br>WIDTH<br>Type    | 40' approx.<br>10' approx.<br>Deck  | material Concre<br>no. of spans 2<br>length of each span |   |  |
| status:<br>Se              | erviceable.                         |  |   |  |
| COMPENSAT                  | VE ACTION:                          |  |   |  |
| Ву                         | -Pass No. l - single-s<br>type bri  | pan (approx.)  | probable wood and steel dec<br>of main bridge; serviceabl |  |
| Ву                         | -Pass No. 2 - construc              | ted 15' x 10' (approx.)<br>75' (approx.) SW of main      | ford; probable rock/gravel<br>n bridge; serviceable but   |  |



### 

| -    | DDI IMA  | AGERY ANALYSIS STAFF   |   |                  |
|------|--|------------------------|---|------------------|
| 25X1 | NAME Thai Binh Hwy. Bridge over Song Tra Ly Bridge No. 19 on NF 48-15  | COUNTRY  North Vietnam | COORDINATES<br>20 27N - 106 21E<br>XH414621 |                  |
| 25X1 |  |                        | BRIEF NO: PIB 75532 March 1967              |                  |
| 25X1 | LOCATION: At Thai Binh on Route 10.  DESCRIPTION:  LENGTH 480' approx.  WIDTH  TYPE Combination half-through arc truss (3 spans)/half-through trus | no. of spans 5         | steel, and concrete  (                      | 25X <sup>2</sup> |
|      | STATUS:  Two half-through arch truss   |                        |   |                  |
|      | compensative action:  By-Pass No. 1 - 530' x 10' ( 1000' SE of   | approx.) probable wo   | ood pontoon bridge;<br>eable.               |                  |



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| DDI IMAGERY ANALYSIS STAFF |         |                  |  |  |
|----------------------------|---------|------------------|--|--|
| NAME                       | COUNTRY | COORDINATES      |  |  |
| Ban Xe'savang Hwy. Bridge  |         | 16 34N - 105 54E |  |  |
| Bridge No. 27L on NE 48-15 | Laos    | WD975330         |  |  |
|                            |         | BRIEF NO:        |  |  |
| 1                          |         | PIB 75533        |  |  |
| MAP JOG (A) 1501 NE 48-15  |         | March 1967       |  |  |

LOCATION: 2.5 nm NNW of Ban Xe'savang on Route 9.

DESCRIPTION:

LENGTH WIDTH

25X1

315' approx.

Half-through truss

MATERIAL Concrete, steel, and timber NO. OF SPANS 5

25X1

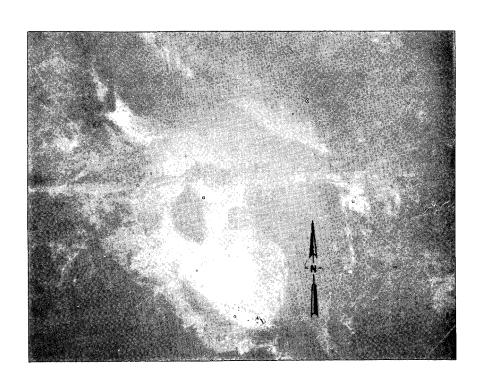
NO. OF SPANS 5 LENGTH OF EACH SPAN 2@70' approx.

STATUS:

3 spans dropped; 2 spans slightly damaged.

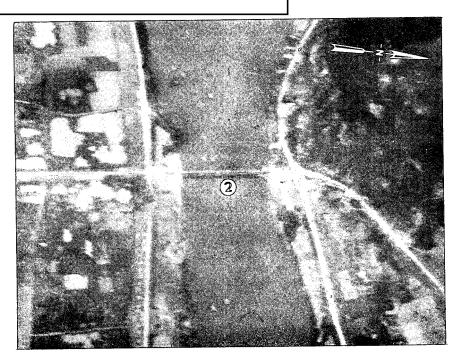
COMPENSATIVE ACTION:

None



## Approved For Release 20**(2018/FP) ENT-P**78T05161A001600090001-3

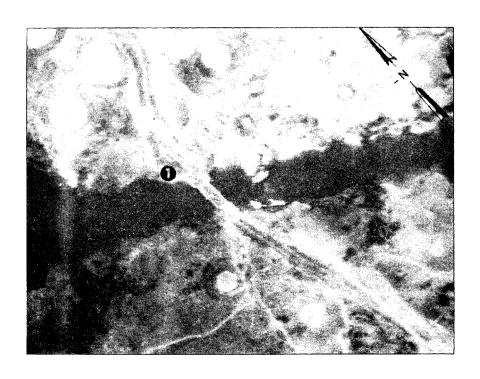
| DDI IMAGERY ANALYSIS STAFF  COUNTRY COORDINATES |             |                    |             |                    | COOPDINATES                   |       |
|---|-------------|--------------------|-------------|--------------------|-------------------------------|-------|
|   | NAME Dong   | g Phong Thuong RR. | . a Hwy.    | COUNTRY            |                               |       |
| <b>〈</b> 1                                      | Br. over    | Song Len           |             |                    | 19 58N - 105 50E              |       |
|   |             | o. 6 on NE 48-3    |             | North Vietnam      | WH886091<br>BRIEF NO:         |       |
| (1  |             |                    |             |                    |                               |       |
| ,. r  |             |                    | - 10 -      |                    | PIB 75534 · March 1967        |       |
| _   | MAP         |                    | E 48-3      | 77 1/D II.: D      |                               |       |
|   | LOCATION:   | 0.5 nm E of Na T   | non on the  | Hanoi/Dong Hol K   | all Line.                     |       |
|   | DESCRIPTION | <b>l</b> :         |             |                    |                               |       |
|   | LENGTH      | 525' approx.       |             | material Stee      | 1                             |       |
| / 4   | WIDTH       | 525 approx.        |             | NO. OF SPANS       |                               |       |
| <b>〈</b> 1                                      | TYPE        | Moreover + wings   |             | LENGTH OF EACH SPA | 175' approx.                  |       |
|   |             | Through truss      |             |                    | ·                             |       |
|   | STATUS:     |                    |             |                    |                               |       |
| <b>&lt;</b> 1                                   | No          | change             |             |                    |                               |       |
|   |             |                    |             |                    |                               |       |
|   |             |                    |             |                    |                               | 25    |
|   | COMPENSAT   |                    |             |                    |                               | 25    |
|   |             | -Pass No. 1 - No   | change      |                    | () -+-                        | 7     |
| <b>〈</b> 1                                      | Ву          | -Pass No. 2 -      |             | (rail only);       | -span (approx.) ste           |       |
|   |             | and                | timber dec  | ck beam bridge wi  | th spans measuring 45' approx | و • ٤ |
|   |             | app                | rox. 9000'  | SW of main bridge  | e; repaired and serviceable.  | 25    |
|   | By          | -Pass No. 3 - (hw  | y. bridge o | only)              | (approx.) pontoon bridge;     |       |
|   |             |                    | 'W of mair  | bridge; service    | able.<br>nulti-span (approx.) | 、25   |
| <b>〈</b> 1                                      | Ву          | -Pass No. 4 -      |             | (rail only); m     | ulti-span (approx.)           | )<br> |
|   |             | pro                | bable wood  | deck beam bridge   | with spans of unknown dimens  | 310m  |
|   |             | app                | rox.850' V  | v of main bridge;  | abandoned construction.       |       |



### Approved For Release 200@00172 DEMTROP78T05161A001600090001-3

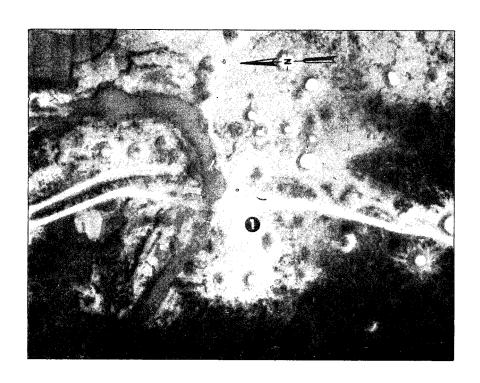
|         | DDI IMAC                             | SERY ANALYSIS STAFF         |                  |
|---------|--------------------------------------|-----------------------------|------------------|
|         | NAME Thuy Lien Thuong Hwy. Bridge    | COUNTRY                     | COORDINATES      |
| 25X1    | over Khe Chan Th                     |                             | 17 10N - 106 54E |
| ,,,     | Bridge No. 5 on NE 48-12             | North Vietnam               | YE022005         |
| 25X1    |                                      |                             | BRIEF NO:        |
|         |                                      |                             | PIB 75535        |
|         | MAP JOG (A) 1501 NE 48-12            |                             | March 1967       |
|         | LOCATION: 0.8 nm NW of Thuy Lien Thu | ong on Route LA.            |                  |
|         | DESCRIPTION:                         |                             |                  |
|         | LENGTH 601                           | MATERIAL Concrete           |                  |
| 25X1    | WIDTH                                | NO. OF SPANS 2 probab       | le               |
| 20/(1   | TYPE Deck                            | LENGTH OF EACH SPAN 30      | t                |
|         |                                      |                             |                  |
| 25X1    | STATUS:                              |                             |                  |
| 20/(1   | No change                            |                             |                  |
|         |                                      |                             |                  |
|         | COMPENSATIVE ACTION:                 |                             |                  |
| 25X1    | By-Pass No. 1 - 2-span               | probable wood deck          | type hridge with |
|         |                                      | ng 25'; 50' NW of main      |                  |
|         | construction.                        | 118 117 9 70 1111 01 110111 | or rago, arraor  |
|         |                                      |                             |                  |
| 0.5)/// |                                      |                             |                  |
| 25X1    |                                      |                             |                  |
|         |                                      |                             |                  |

NOTE: All measurements are approximate.



### 

|      |                         | DDI IMA                                    | AGERY ANALYSIS STAFF                                 | NALYSIS STAFF    |  |
|------|-------------------------|--|--|------------------|--|
| •    | NAME                    |  | COUNTRY  | COORDINATES      |  |
|      |                         | n Hwy. Bridge                              |  | 19 45N - 105 25E |  |
|      | Bridge                  | No. 46 on NE 48-3                          | North Vietnam  | WC442840         |  |
| 25X1 |                         |  |  | BRIEF NO:        |  |
|      |                         |  |  | _ PIB 75536      |  |
|      | MAF                     | JOG (A) 1501 NE 48-3                       |  | March 1967       |  |
|      | LOCATION:               | l nm NE of Dong Tan on Rou                 | ute 15.  |                  |  |
|      | DESCRIPTION             | N:   |  |                  |  |
|      | LENGTH<br>WIDTH<br>Type | 45' approx. 10' approx.                    | material Wood<br>no. of spans 3 probab               | le               |  |
|      | ****                    | Deck                                       | LENGTH OF EACH SPAN 15                               | 'approx.         |  |
| 25X1 | status:                 | change                                     | ]  |                  |  |
|      | COMPENSATI              | VE ACTION:                                 |  |                  |  |
|      | By                      | -Pass No. 1 - constructed 3<br>base; 25' S | 3Q' x 10' (approx.) foro<br>of main bridge; services |                  |  |
| 25X1 |                         |  |  |                  |  |



## Approved For Release 20 (27) FID ENT-FAIP 78T05161A001600090001-3

| •         | DDI IMAG  | ERY ANALYSIS STAFF     |   |
|-----------|---|------------------------|---|
| -<br>25X1 | NAME Ban Pa Huone Hwy. Bridge over Nam Meuk Bridge No. 2 on NF 48-9 | COUNTRY  North Vietnam | COORDINATES<br>21 48N - 103 18E<br>UK247118 |
| 25X1      |   |                        | BRIEF NO:<br>PIB 75537                      |
|           | MAP JOG (A) 1501 NF 48-9  | Devide                 | March 1967                                  |

#### DESCRIPTION:

LENGTH 200' approx.

WIDTH 10' approx.

LENGTH OF EACH SPAN 1 @ 70' approx., 2 @ 50' approx.

1 @ 30' approx.

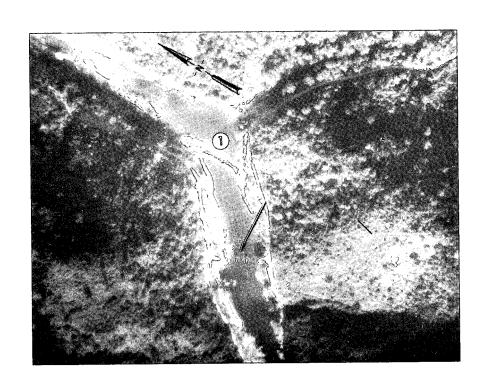
### STATUS:

Original bridge destroyed; suspension cables have been strung to support moveable deck section; bridge is serviceable.

### COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 120' x 15' (approx.) ford; probable rock/gravel base; 250' NE of main bridge; serviceable.

25X1



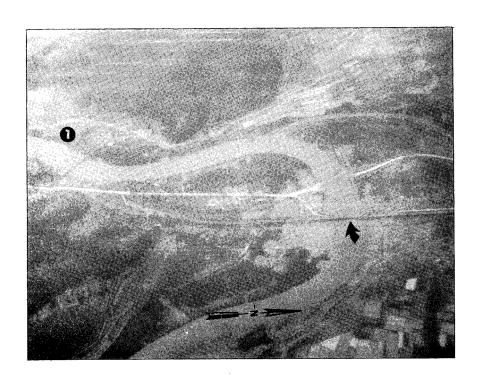
## Approved For Release 20 (2014/11) ENT-A1P78T05161A001600090001-3

|                  |                                       | DDI IMAGERY ANALYSIS STAFF |                         |        |
|------------------|---------------------------------------|----------------------------|-------------------------|--------|
| N AME            |                                       | COUNTRY                    | COORDINATES             |        |
| Luong Trinh      | Hwy. Bridge                           |                            | 17 46N - 106 261        | E      |
| Bridge No. 3     | 37 on NE 48-11                        | North Vietnam              | XE531656                |        |
| 1                |                                       |                            | BRIEF NO:               |        |
| '                |                                       |                            | PIB 75538               |        |
| MAP JOG          | (A) 1501 NE 48-                       | 11                         | February 1967           |        |
| LOCATION: 0.7    | nm S of Luong Tri                     | nh on Route LA.            |                         |        |
|                  |                                       |                            |                         |        |
| DESCRIPTION:     |                                       |                            |                         |        |
| 1 LENGTH         |                                       | MATERIAL WOOD 8            | and concrete            |        |
| MIDTH 101        | approx.                               | NO. OF SPANS               |                         | 25)    |
| TYPE Deck        | <br><u>.</u>                          | LENGTH OF EACH SPA         | N                       | 25>    |
|                  |                                       |                            |                         |        |
| STATUS:          |                                       |                            |                         |        |
| Complet          | ely destroyed and                     | l replaced by a rock fil   | Ll causeway.            |        |
|                  |                                       |                            |                         |        |
|                  |                                       |                            |                         |        |
| COMPENSATIVE ACT |                                       | ,                          | ,                       |        |
| By-Pass          | No. l - construc                      | ted 130' x 10' (approx.    | .) ford; probable rock/ | gravel |
|                  | base; 75                              | 500' N of main bridge si   | ite; serviceable.       |        |
|                  |                                       |                            |                         |        |
|                  |                                       |                            |                         |        |
| [1   I           | • • • • • • • • • • • • • • • • • • • |                            |                         |        |



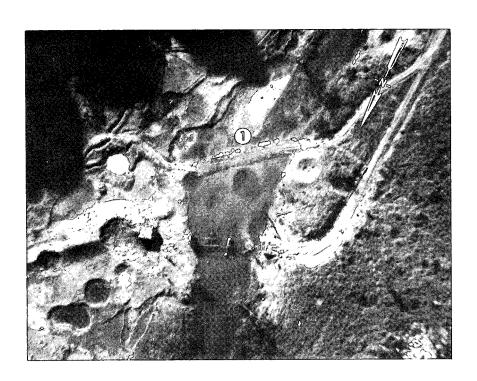
## Approved For Release 200**203 F1DENTRA** 78T05161A001600090001-3

|      | DDI IMAGERY ANALYSIS STAFF                |                         |   |  |  |
|------|---|-------------------------|---|--|--|
| 25X1 | over Song Cua Lo Bridge No. 18 on NE 48-7 | COUNTRY  North Vietnam  | COORDINATES<br>18 50N - 105 39E<br>WF691839 |  |  |
| 25X1 | -   |                         | BRIEF NO:<br>PIB 75539                      |  |  |
|      | MAP JOG (A) 1501 NE 48-7                  |                         | February 1967                               |  |  |
| •    | LOCATION: 2.3 nm NE of Tam Da on the      | Hanoi/Dong Hoi Rail Lir |   |  |  |
|      | DESCRIPTION:                              |                         |   |  |  |
| 25X1 | oncrete<br>Le<br>approx.                  |                         |   |  |  |
|      | 4 spans probably destroyed; 1             | pier probably damaged.  |   |  |  |
| 25X1 | COMPENSATIVE ACTION: Probably no change   |                         |   |  |  |
| 25X1 |   |                         |   |  |  |



## Approved For Release 200**£0NEIDEN-RIA-1**78T05161A001600090001-3

|       | DDI   | IMAGERY ANALYSIS STAFF |   |
|-------|---|------------------------|---|
|       | NAME Ban Bung Hwy. Bridge over                                | COUNTRY                | COORDINATES   |
| 25X1  | Nam Hua   |                        | 21 31N - 103 21E                                    |
| 20/(1 | Bridge No. 12 on NF 48-9                                      | North Vietnam          | UJ304803  |
| 25X1  |   |                        | BRIEF NO:   |
|       |   |                        | PIB 75540   |
|       | MAP JOG (A) 1501 NF 48-9                                      |                        | February 1967                                       |
|       | LOCATION: 1 nm SW of Ban Veng on                              | Route 19.              |   |
|       | DESCRIPTION:  |                        |   |
| 25X1  | WIDTH 180' approx.  WIDTH TYPE  Half-through truss            | NO. OF SPANS           | d concrete<br>60' approx.                           |
|       | status: 3 spans destroyed; l abutm bridge probably under repa |                        | abutment lightly damaged;<br>moveable wood decking. |
| 25X1  | COMPENSATIVE ACTION:  By-Pass No. 1 -                         | constructed            | (approx.) ford; of main bridge; serviceable.        |
| 25X1  | probable 1  |                        | or marin orrange, sorving and                       |



# Approved For Release 2002/08/17 DENTRAP78T05161A001600090001-3

|    | DDI I                              | MAGERY ANALYSIS STAFF |                              |
|----|------------------------------------|-----------------------|------------------------------|
| _  | NAME Ban Xang Hwy. Bridge over     | COUNTRY               | COORDINATES                  |
| X1 | stream Bridge No. 2L on NE 48-1    | Laos                  | 19 30N - 103 06E<br>UG018577 |
| x1 | Dilage No. 21 on No 40-1           | даов                  | BRIEF NO:                    |
|    |                                    |                       | PIB 75541                    |
| _  | MAP JOG (A) 1501 NE 48-1           |                       | March 1967                   |
|    | LOCATION: 0.5 nm SE of Ban Sang on | Route 7.              |                              |

DESCRIPTION:

25X1 TYPE

60'
Deck

material Timber
no. of spans 4
LENGTH OF EACH SPAN 15'

STATUS:

l span destroyed; l span severely damaged; l abutment destroyed.

### COMPENSATIVE ACTION:

None



### Approved For Release 2002/03/12/1014/RDP78T05161A001600090001-3

| DDI IMAGERY ANALYSIS STAFF       |                     |                  |  |  |  |
|----------------------------------|---------------------|------------------|--|--|--|
| NAME Ha Thon RR. and Hwy. Bridge | COUNTRY             | COORDINATES      |  |  |  |
| over Song Vac                    | No. 17 The American | 20 12N - 105 58E |  |  |  |
| Bridge No. 10 on NF 48-15        | North Vietnam       | XH013348         |  |  |  |
|                                  |                     | BRIEF NO:        |  |  |  |
|                                  |                     | PIB 75542        |  |  |  |
| MAP JOG (A) 1501 NF 48-15        |                     | April 1967       |  |  |  |

LOCATION: 0.8 nm SE of Vu Lam on the Hanoi/Dong Hoi Rail Line.

### DESCRIPTION:

LENGTH 90!
WIDTH 10!
TYPE Deck

MATERIAL Timber
NO. OF SPANS 3 probable
LENGTH OF EACH SPAN 2 @ 25', 1 @ 40'

### STATUS:

Replacement bridge serviceable.

#### COMPENSATIVE ACTION:

None

25X1

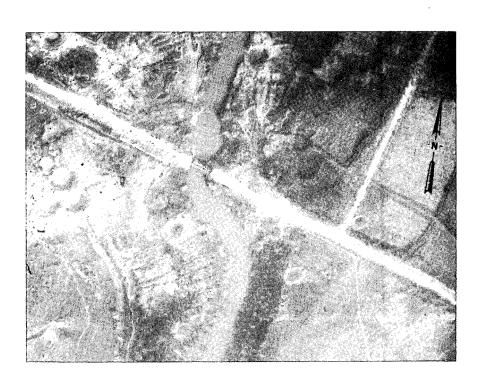
25X1

25X1



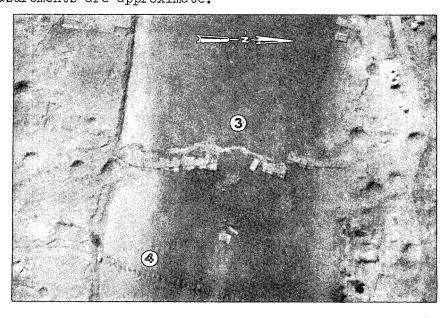
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|         |                                  | <del></del>               |                  |
|---------|----------------------------------|---------------------------|------------------|
|         | D                                | DI IMAGERY ANALYSIS STAFF |                  |
| •       | N AME                            | COUNTRY                   | COORDINATES      |
|         | Lien Ho Hao Hwy. Bridge          |                           | 19 32N - 105 47E |
|         | Bridge No. 26 on NE 48-3         | North Vietnam             | WG825599         |
| 25X1    |                                  |                           | BRIEF NO:        |
|         |                                  | _                         | PIB 75543        |
|         | MAP JOG (A) 1501 NE 48-          |                           | March 1967       |
|         | LOCATION: 0.9 nm E of Lien Ho Ha | ao on Route 701.          |                  |
|         | DESCRIPTION:                     |                           |                  |
|         | LENGTH 601                       | material Wood             |                  |
| 25X1    | WIDTH<br>TYPE                    | NO. OF SPANS ]            | _                |
| .0, ( ) | Deck                             | LENGTH OF EACH SPAN 60    | T                |
|         |                                  |                           |                  |
|         | Bridge destroyed and uns         | erviceshle                |                  |
|         | Difuge descroyed and disc        | et viccapic.              |                  |
|         |                                  |                           |                  |
|         | COMPENSATIVE ACTION:             |                           |                  |
|         | Replacement bridge under         | construction.             |                  |
|         |                                  |                           |                  |
| 25X1    |                                  |                           |                  |
| 1 102   |                                  |                           |                  |



## Approved For Release 200 (2001) DEW 171AP 78T05161A001600090001-3

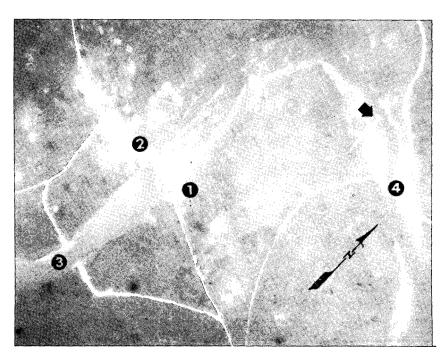
|       | DDI IMAGERY ANALYSIS STAFF                               |                             |
|-------|--|-----------------------------|
|       | NAME Dong Phong Thuong RR. and Hwy.   COUNTRY            | COORDINATES                 |
| 25X1  | Bridge over Song Len                                     | 19 58N - 105 50E            |
|       | Bridge No. 6 on NE 48-3 North Vietnam                    | WH886091                    |
| 25X1  |  | BRIEF NO:                   |
|       |  | PIB 75544                   |
|       | MAP JOG (A) 1501 NE 48-3                                 | March 1967                  |
|       | LOCATION: 0.5 nm E of Na Thon on the Hanoi/Dong Hoi Rail | Line and Route LA.          |
|       | DESCRIPTION:   |                             |
|       | LENGTH 525' MATERIAL Steel and                           | concrete                    |
| 25X1  | WIDTH NO. OF SPANS 3                                     |                             |
|       | Through-truss Length of Each Span 1                      | .75 <b>'</b>                |
|       |  |                             |
| 25X1  | No change  |                             |
|       |  |                             |
|       | COMPENSATIVE ACTION:                                     |                             |
| 25X1  | By-Pass No. 1 - 15-span                                  | wood and steel deck- 25X1   |
|       | beam rail bridge with spans measur                       | 1                           |
| 25X1  | 1350' E of main bridge                                   |                             |
| 20/(1 | dropped and 2 are damaged; unservi                       |                             |
| 25X1  |  | steel and timber deck- 25X1 |
| 20/(1 | beam rail bridge with spans measur                       |                             |
|       | main bridge; serviceable.                                |                             |
|       | By-Pass No. 3 - 500' pontoon highway bridge; 850'        | W of main bridge; pontoon   |
|       | sections heavily damaged; bridge u                       | nserviceable.               |
|       | By-Pass No. 4 - No change                                | 25X1                        |
|       |  |                             |
| 25X1  |  |                             |
| 23A I |  |                             |
|       |  |                             |



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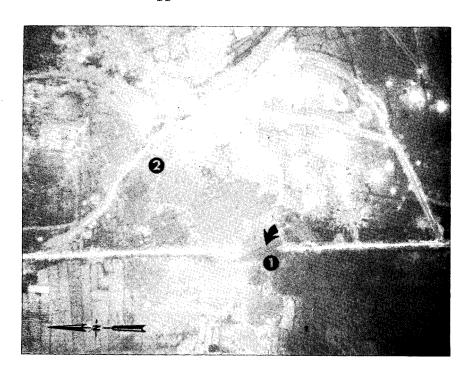
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|      | DDI IMAGERY ANALYSIS STAFF                    |   |                          |  |  |
|------|---|---|--------------------------|--|--|
|      | NAME Ban Lang Moi Hwy. Bridge W               | COUNTRY   | COORDINATES              |  |  |
| 25X1 | over She Choang                               |   | 19 06N - 104 47E         |  |  |
|      | Bridge No. 10 on NE 48-2                      | North Vietnam                                     | VG780120                 |  |  |
| 25X1 |   |   | BRIEF NO:                |  |  |
|      | MAP TOC (A) 1501 NO. 18 0                     |   | PIB 75545                |  |  |
|      | 00G (A) 1)O1 NE 40-2                          | D   | April 1967               |  |  |
|      | LOCATION: 1.2 nm S of Ban Da Noi on           | Route (.  |                          |  |  |
|      | DESCRIPTION:                                  |   |                          |  |  |
| 25X1 | LENGTH 2751 WIDTH TYPE                        | MATERIAL Wood, concrete, and steel NO. OF SPANS 5 |                          |  |  |
|      | Half-through truss                            | LENGTH OF EACH SPAN                               | @ 65', 2 @ 40'           |  |  |
|      | One span destroyed; one span                  | dropped.  |                          |  |  |
|      | COMPENSATIVE ACTION:                          |   |                          |  |  |
| 25X1 | By-Pass No. 1 - single span                   | probable wood dain bridge; serviceable.           | leck-type bridge;        |  |  |
| 25X1 | By-Pass No. 2 - single span                   |   | leck-type bridge;        |  |  |
|      | By-Pass No. 3 - ferry landing                 | gs located 1075' S of ma                          |                          |  |  |
|      | By-Pass No. 4 - probable natu<br>serviceable. |   | of main bridge; probably |  |  |
| 25X1 |   |   |                          |  |  |



## Approved For Release 2002/09/12 DEIN-712-778T05161A001600090001-3

|       | DDI IMAGERY ANALYSIS STAFF |                     |           |                     |                          |
|-------|----------------------------|---------------------|-----------|---------------------|--------------------------|
| •     | NAME TI                    | Loan Hwy. Bridge    | SE        | COUNTRY             | COORDINATES              |
| 5X1   | over st                    |                     |           |                     | 17 48N - 106 26E         |
| J/( I |                            | No. 36 on NE 48-1.  | <u> </u>  | North Vietnam       | XE525699                 |
| 5X1   |                            |                     | /ma       | , , , ,             | BRIEF NO:                |
|       |                            |                     |           |                     | PIB 75548                |
|       | MAP                        | JOG (A) 1501 N      | E 48-11   |                     | March 1967               |
|       | LOCATION:                  | 0.8 nm NW of Ngh    | ia Nuong  | on Route LA.        |                          |
|       | DESCRIPTIO                 | _                   | J         |                     |                          |
|       | LENGTH                     | 201                 |           | material Concr      | aet e                    |
|       | WIDTH                      | 30'                 |           | NO. OF SPANS        | . 000                    |
|       | TYPE                       | 10'                 |           | LENGTH OF EACH SPAN | N 751                    |
|       |                            | Deck                |           |                     | ±)                       |
|       | STATUS:                    |                     |           |                     |                          |
|       | Co                         | ompletely destroyed | đ.        |                     |                          |
|       | COMPENSAT                  | IVE ACTION:         |           |                     |                          |
| X1    | D                          | Dogg No I com       |           | A11                 |                          |
| 7 ( ) | Бу                         | -Pass No. 1 - cons  |           | Iora; prop          | pable rock/gravel base;  |
| X1    | D                          |                     |           |                     | lge site; unserviceable. |
| /\ I  | љу                         | -Pass No. 2 - com   |           |                     | timber deck-type bridge  |
|       |                            |                     | viceable. | x-IIII causeway; 25 | O' NE of main bridge;    |
|       |                            | ser.                | viceanie. |                     |                          |
|       |                            |                     |           |                     |                          |
| X1    |                            |                     |           |                     |                          |



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DDI IMAGERY ANALYSIS STAFF

NAME Ban Nape Hwy. Bridge over COUNTRY

25X1 Nam Phao
Bridge No. 1L on NE 48-7 Laos

25X1

MAP JOG (A) 1501 NE 48-7

MAP JOG (A) 1501 NE 48-7

MAP March 1967

LOCATION: At E edge of Ban Nape on Route 8.

#### DESCRIPTION:

LENGTH 270'
WIDTH 10'

Half-through truss

MATERIAL Concrete, steel

NO. OF SPANS 3

LENGTH OF EACH SPAN 901

### STATUS:

3 spans destroyed; 2 piers heavily damaged; abutments intact, no reconstruction work noted.

### COMPENSATIVE ACTION:

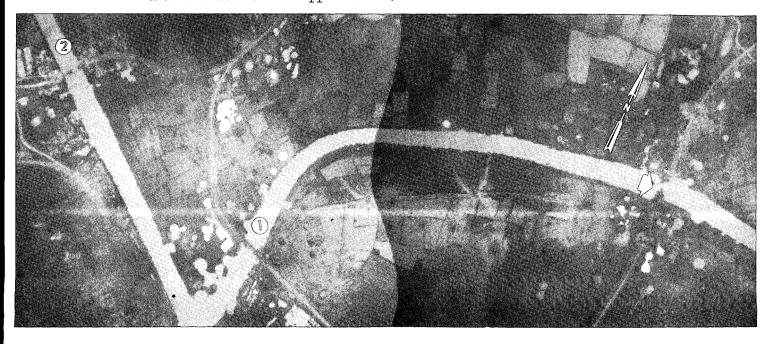
By-Pass No. 1 - probable 13-span 195' x 10' timber deck-type bridge with spans measuring 15'; 230' SW of main bridge; completely destroyed.

25X1



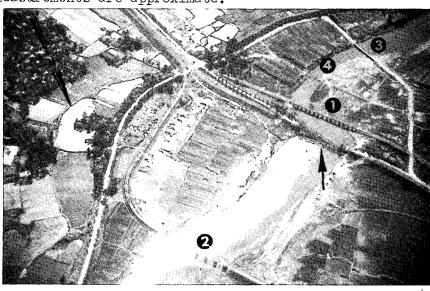
# Approved For Release 2002001120 ENTRAP78T05161A001600090001-3

|      | DDI IMAGI  | ERY ANALYSIS STAFF   |   | _            |
|------|--|--|---|--------------|
| 25X1 | over Hoang Giang  Bridge No. 33 on NE 48-3   | COUNTRY  North Vietnam   | COORDINATES<br>19 43N - 105 42E<br>XG748815 | _            |
| 25X1 | MAP JOG (A) 1501 NE 48-3   |  | BRIEF NO:<br>PIB 75551<br>March 1967        | _            |
| 25X1 | DESCRIPTION: 0.5 nm N of Thien Linh Dong  DESCRIPTION:  LENGTH 80' WIDTH TYPE  Deck-girder | material Steel and c no. of spans 2 LENGTH OF EACH SPAN 401    | oncrete                                     |              |
| 25X1 | No change  |  |   |              |
|      | COMPENSATIVE ACTION:   |  |   |              |
| 25X1 |  | 4-span timowers; spans measuring span destroyed, south         |   | 25X1<br>25X1 |
| 25X1 | By-Pass No. 2 - type bridge wi   | probable 3-span th lattice towers; span n bridge; bridge is U/ |   | 25X1<br>25X1 |
| 25X1 | NOTE: All measurements are approxi   | mate.  |   |              |



## Approved For Release 20 (2004 FIDENT-FALP78T05161A001600090001-3

|     | NAME Phu      | ong Dinh RR.   | and Hwy. Br.      | COUNTRY             | COORDINATES   |  |  |  |
|-----|---------------|--|-------------------|---------------------|---|--|--|--|
| 1   |               | ch Truong  |                   |                     | 19 51N - 105 48E                                    |  |  |  |
| 1   | Bridge        | No. 16 on NE   | 48 <b>-</b> 3     | North Vietnam       | W <b>G</b> 842951                                   |  |  |  |
| (1  |               |  |                   |                     | BRIEF NO:   |  |  |  |
|     | MAP           | JOG (A) 150  | ט א החוז          |                     | PIB 75552   |  |  |  |
| -   | LOCATION:     |  |                   | on Hanoi/Dong Hoi   | March 1967<br>Rail Line and Route 1A.               |  |  |  |
|     |               | 0.7 1111 14 01   | icii vac illaolig | on manory bong nor  | Hall bille and house th.                            |  |  |  |
|     | DESCRIPTION   | N:   |                   |                     |   |  |  |  |
|     | LENGTH        | 245 <b>'</b>   |                   |                     | with concrete abutments                             |  |  |  |
|     | WIDTH<br>Type | 15 <b>'</b>  |                   | NO. OF SPANS 3      |   |  |  |  |
|     |               | Continuous -   | through truss     | LENGIN OF EACH SPAN | I @ 120', I @ 65'                                   |  |  |  |
|     |               |  |                   |                     | 1 @ 60'   |  |  |  |
|     |               | One end of truss has been dropped and heavily damaged. |                   |                     |   |  |  |  |
|     | On            | e end of trus  | ss nas been droj  | pped and neavily d  | amaged.   |  |  |  |
|     |               |  |                   |                     |   |  |  |  |
|     | COMPENSATI    | VE ACTION:   |                   |                     |   |  |  |  |
| X1  | By            | -Pass No. 1 -  | -                 | 16-span             | timber deck-beam bridge                             |  |  |  |
|     |               |  | with lattice t    | tower supports; sp  | ans measure 100' W                                  |  |  |  |
| V 4 |               | T) TT 0  |                   |                     | rail traffic only.                                  |  |  |  |
| X1  | Ву            | -Pass No. 2 -  | •                 |                     | 10' timber probable deck-                           |  |  |  |
|     |               |  | beam bridge wi    | ltn lattice tower   | supports; spans measure 25';                        |  |  |  |
|     | By            | -Page No 3   | 200 E 01 Mair     | l briage; briage u  | /C, not yet serviceable. ridge with spans measuring |  |  |  |
|     | 23            | -1000 NO. J -  | 25': 450' W of    | f main hridge: hri  | dge serviceable to highway                          |  |  |  |
|     |               |  | traffic.          | moun birage, bir    | age bet viceable to mighway                         |  |  |  |
|     | By            | -Pass No. 4 -  | - 4-span 180' x   | 10' timber deck b   | ridge with spans measuring                          |  |  |  |
|     |               |  | 45'; 250' W of    | ? main bridge; bri  | dge is partially dismantled;                        |  |  |  |
|     |               |  | unserviceable.    |                     | ,   |  |  |  |
|     |               |  |                   |                     |   |  |  |  |
|     |               |  |                   |                     |   |  |  |  |



Approved For Release 2602NEH2ENTARDP78T05161A001600090001-3 Excluded from automatic approved for Release 2602NEH2ENTARDP78T05161A001600090001-3

## Approved For Release 2002/08/12 CIA PDR78T05161A001600090001-3

LOCATION: 0.8 nm NW of Ban Theuong on Route 4.

#### DESCRIPTION:

25X1

25X1

WIDTH TYPE Deck

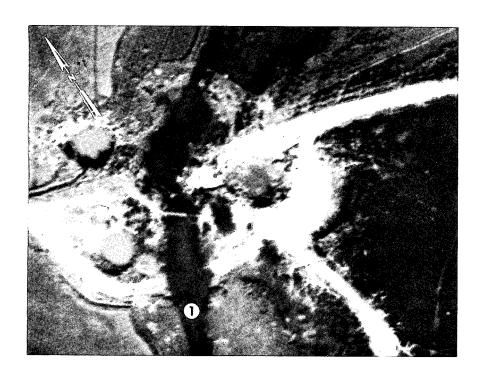
MATERIAL Wood (probable)
NO. OF SPANS 4
LENGTH OF EACH SPAN 15

### STATUS:

Bridge completely destroyed.

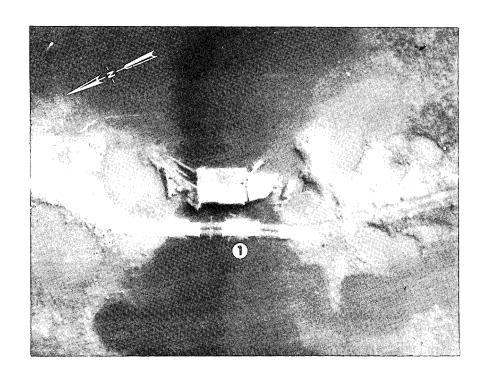
### COMPENSATIVE ACTION:

By-Pass No. 1 - natural 35' ford; 100' SW of main bridge; serviceable.



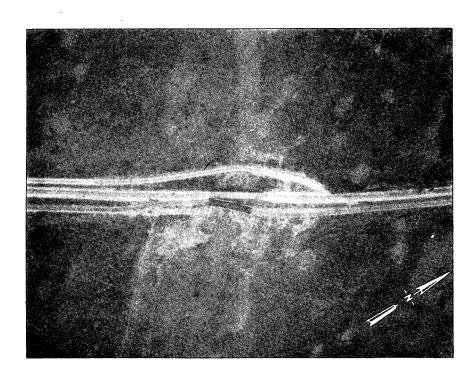
### Approved For Release 2002(08/17) [DENFIDE 8 T05161A001600090001-3

|                               | DDI IMAGERY ANALYSIS STAFF |                                  |
|-------------------------------|----------------------------|----------------------------------|
| NAME Lan Tra Hwy. Bridge N    | over COUNTRY               | COORDINATES                      |
| Song Cua Trib                 |                            | 19 22N - 105 44E                 |
| Bridge No. 21 on NE 48-3      | North Vietnam              | WG771415                         |
|                               |                            | BRIEF NO:                        |
|                               |                            | PIB 75554                        |
| MAP JOG (A) 1501 NE           | 48-3                       | April 1967                       |
| LOCATION: 1.0 nm W of Huu La: | i on Route LA.             |                                  |
| DESCRIPTION:                  |                            |                                  |
| LENGTH 851                    | material Concre            | ete and wood                     |
| WIDTH                         | NO. OF SPANS 3             |                                  |
| TYPE L<br>Deck                | LENGTH OF EACH SPA         | <sup>^</sup> 25×                 |
| 20011                         |                            | 207                              |
| STATUS:                       |                            |                                  |
| 2 spans dropped; l abı        | utment destroyed; l abutm  | ment damaged; l span damaged.    |
|                               |                            |                                  |
| COMPENSATIVE ACTION:          |                            |                                  |
| By-Pass No. 1 - 3-spar        | n timber and nos           | ssible steel deck-type bridge    |
|                               | spans measuring            | and a probable                   |
|                               |                            | cer; adjacent to the main bridge |
|                               | side; serviceable.         |                                  |
| 011 11W                       | Bide, Bei viccabie.        | 25X                              |
|                               |                            | 25X                              |
|                               |                            | 207                              |
|                               |                            |                                  |



## 

|      |                         | DDI IMAG  | GERY ANALYSIS STAFF                                       |                         |
|------|-------------------------|---|---|-------------------------|
| •    | NAME L                  | / Nhan RR. and Hwy. Bridge                                  | COUNTRY   | COORDINATES             |
| 25X1 | over st                 |   |   | 20 09N <b>-</b> 105 56E |
|      | Bridge                  | No. 14 on NF 48-15  | North Vietnam   | XH000310                |
| 25X1 |                         |   |   | BRIEF NO:               |
|      |                         |   |   | PIB 75555               |
|      | MAP                     | JOG (A) 1501 NF 48-15                                       |   | March 1967              |
|      | LOCATION:               | 1.9 nm E of Ly Nhan on Han                                  | oi/Dong Hoi Rail Line.                                    |                         |
|      | DESCRIPTIO              | n:  |   |                         |
| 25X1 | LENGTH<br>WIDTH<br>Type | 95' Half-through truss                                      | material Steel and no. of spans 1 length of each span 951 |                         |
|      | -                       | pan has been repaired and li<br>ealigned to cross the span; |   | track has been          |
|      | COMPENSAT               | IVE ACTION:   |   |                         |
|      | NA                      | 4   |   |                         |
|      |                         |   |   |                         |
| 25X1 |                         |   |   |                         |
|      |                         |   |   |                         |
|      | NOTE:                   | All measurements are approx                                 | imate.  |                         |



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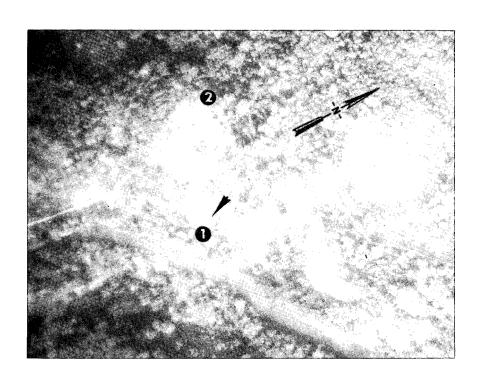
|       | DDI IMAG                             | SERY ANALYSIS STAFF    |                         |
|-------|--------------------------------------|------------------------|-------------------------|
|       | NAME Ninh Binh RR. and Hwy. Bridge   | COUNTRY                | COORDINATES             |
| 25X1  | over Song Day                        |                        | 20 15N - 105 59E        |
|       | Bridge No. 1 on NF 48-15             | North Vietnam          | ХН030405                |
| 25X1  |                                      |                        | BRIEF NO:               |
|       |                                      |                        | PIB 75556               |
|       | MAP JOG (A) 1501 NF 48-15            |                        | March 1967              |
|       | LOCATION: At Ninh Binh on the Hanoi/ | Dong Hoi Rail Line and | Route LA.               |
|       | DESCRIPTION:                         |                        |                         |
|       | LENGTH 6801                          | material Steel and     | concrete                |
| 25X1  | WIDTH Single track)                  | NO. OF SPANS           |                         |
| 23/(1 | Through truss with                   | LENGTH OF EACH SPAN 85 | i i                     |
|       | center swing span                    |                        |                         |
| 25X1  | STATUS:                              |                        |                         |
| 23/1  | No change                            |                        |                         |
|       |                                      |                        |                         |
|       | COMPENSATIVE ACTION:                 |                        |                         |
| 25X1  | By-Pass No. 1 -                      | 25 - span 1000' x 5'   | wood and steel deck-    |
|       | · ·                                  |                        | n; spans measuring 40'; |
|       | 0.6 nm E of ma                       | in bridge; serviceable | •                       |
|       | By-Pass No. 2 - Rail ferry la        |                        |                         |
|       |                                      | no ferry boats noted.  | 0 . 1                   |
| 25X1  | By-Pass No. 3 -                      |                        | rail pontoon bridge;    |
|       | 270' W of main                       | bridge; both approach  | es cratered, l pontoon  |
|       | section destro                       | yed, l damaged; unserv | iceable.                |
|       |                                      |                        |                         |
| 25X1  |                                      |                        |                         |
|       |                                      |                        |                         |
|       |                                      |                        |                         |



## Approved For Release 200 20012 DEW 17 A 17 8 T 05 16 1 A 00 16 0 0 0 9 0 0 0 1 - 3

|      |               | DDI IM  | AGERY ANALYSIS STAFF   |   |
|------|---------------|---|------------------------|---|
|      | N AME         |   | COUNTRY                | COORDINATES                                   |
|      |               | uapen Hwy. Bridge No. 2<br>No. 7L on NE 48-7              | Laos                   | 18 14N - 105 OLE<br>WF018167                  |
| 25X1 |               | <del></del>   |                        | BRIEF NO:                                     |
|      |               |   |                        | PIB 75557                                     |
|      | MAP           | JOG (A) 1501 NE 48-7                                      |                        | March 1967                                    |
|      | LOCATION:     | 1.7 nm NNE of Ban Khouape                                 | n on Route 8.          |   |
|      | DESCRIPTION   | N:  |                        |   |
|      | LENGTH        | 50 <b>¹</b>   | material Wood and      | concrete                                      |
|      | HTOIW         | 10'   | NO. OF SPANS $\beta$   |   |
|      | TYPE          | Deck  | LENGTH OF EACH SPAN    | 2 @ 15', 1 @ 20'                              |
| 25X1 | status:<br>No | change  |                        |   |
|      | COMPENSATI    | VE ACTION:  |                        |   |
|      | Ву            | -Pass No. 1 - single span<br>SE of main b<br>unserviceabl | ridge; bridge has prob | pe bridge; immediately pably been washed out; |
|      | Ву.           | -Pass No. 2 - probable nat                                | ural 30' ford; 475' W  | of main bridge; serviceable                   |

25X1



## Approved For Release 2002/08/12:-CIA-RDP78T05161A001600090001-3

LOCATION: 0.5 nm W of Quang Lang Dong on Route 1A.

#### DESCRIPTION:

25X1

25X1

WIDTH 10' 10' Deck

MATERIAL Wood with concrete abutments NO. OF SPANS 3 LENGTH OF EACH SPAN 301

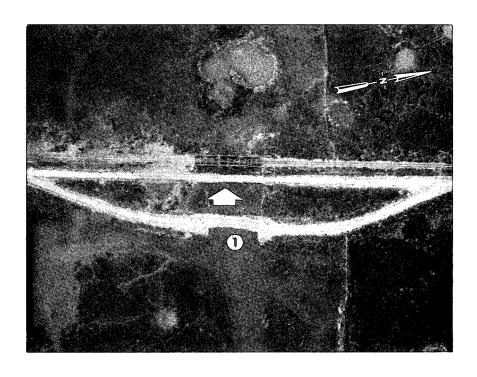
#### STATUS:

l abutment destroyed; l span destroyed; bridge has been repaired and is serviceable.

#### COMPENSATIVE ACTION:

By-Pass No. 1 - 2 (probable) span 60' x 10' wood deck-type highway bridge with spans measuring 30'; 40' E of main bridge; serviceable.

NOTE: Rail bridge not damaged; no by-passes for it.
All measurements are approximate.



## Approved For Release 20 (2014 FID ENT FADP 78T05161A001600090001-3

| DDLI  | MAGERY ANALYSIS STAFF   |                          |
|---|-------------------------|--------------------------|
|   | COUNTRY                 | COORDINATES              |
| Dong ruc rut. Di ruge over                  | 000                     | 21 27N - 106 14E         |
| Song Thuong  Bridge No. 19 on NF 48-11      | North Vietnam           | XJ282726                 |
| DITAGE NO. TA ON NE 40-TT                   | Morett Arecham          | BRIEF NO:                |
|   |                         | PIB 75559                |
| MAP JOG (A) 1501 NF 48-11                   |                         | March 1967               |
| LOCATION: 0.3 nm SSW of Dong Kinh           | on the Thai Nguyen Rai  |                          |
| DESCRIPTION:                                |                         |                          |
|   | material Steel ar       | d concrete               |
| J [O  | NO. OF SPANS            | d Coller Coc             |
| TYPE 1).                                    | LENGTH OF EACH SPAN     |                          |
| Deck  |                         |                          |
| STATUS:                                     | -                       |                          |
| One span dropped.                           |                         |                          |
| COMPENSATIVE ACTION:                        |                         |                          |
|   |                         | בי ביו פ. בידת ל         |
| Probable replacement span u                 |                         |                          |
| Large quantity of construct                 | cion material is locate | d between the replacemen |
| span and the bridge.                        |                         |                          |
| 10 To 1 11 11 11 11 11 11 11 11 11 11 11 11 |                         |                          |
|   |                         |                          |
| NOTE: All measurements are appr             | oximate.                |                          |
|   | oximate.                |                          |
|   | roximate.               |                          |
|   | roximate.               |                          |
|   | roximate.               |                          |
|   | oximate.                |                          |
|   | oximate.                |                          |
| **************************************      | roximate.               |                          |
| **************************************      | roximate.               |                          |
| · · · · · · · · · · · · · · · · · · ·       | oximate.                |                          |
| · · · · · · · · · · · · · · · · · · ·       | oximate.                |                          |
|   | roximate.               |                          |
| · · · · · · · · · · · · · · · · · · ·       | coximate.               |                          |
|   | Poximate.               |                          |
|   | coximate.               |                          |
| NOTE: All measurements are appr             | coximate.               |                          |
| · · · · · · · · · · · · · · · · · · ·       | roximate.               |                          |
| NOTE: All measurements are appr             | roximate.               |                          |
| NOTE: All measurements are appr             | roximate.               |                          |
| NOTE: All measurements are appr             | roximate.               |                          |
| NOTE: All measurements are appr             | roximate.               |                          |
| NOTE: All measurements are appr             | roximate.               |                          |

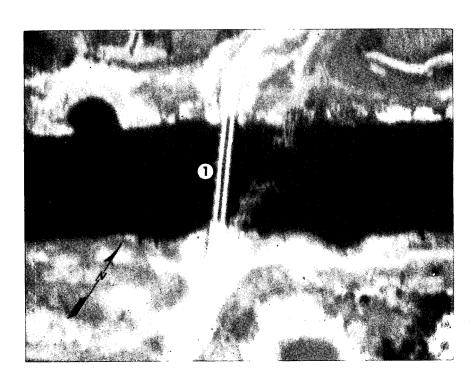
# Approved For Release 2003/08/13 ENTI-RPP78T05161A001600090001-3

| -             | DDI IMAGERY A  | ANALYSIS STAFF   |
|---------------|--|--|
| -<br>5X1      | NAME Ninh Binh RR. and Hwy. Bridge cou                                     | 20 15N - 105 59E   |
|               | Bridge No. 1 on NF 48-15 No.   | orth Vietnam XH030405  |
| X1[           |  | PIB 75560<br>March 1967  |
| -             | LOCATION: At Ninh Binh on Hanoi/Dong Hoi                                   |  |
|               | DESCRIPTION:   |  |
| X1            | WIDTH Single track) Through-truss with                                     | aterial Steel and concrete o. of spans 8 ength of each span 85;  |
|               | center swing span status: 3 spans destroyed; 2 spans very heavily damaged. | neavily damaged; 2 piers destroyed, 1 pier   |
|               | COMPENSATIVE ACTION:   | 1  |
| X1            | By-Pass No. 1 - beam with 1 lift main bridge; two unserviceable.           | 25 span 1000' x 5' wood and steel deck span; spans measure 40'; 0.6 nm E of 40' spans and the lift span destroyed; |
|               | By-Pass No. 2 - No change<br>By-Pass No. 3 - No change                     | 25   |
| <b>&lt;</b> 1 |  |  |



## Approved For Release 20 (2004) PD ENT-FALP78T05161A001600090001-3

| •    |                         |                     | DDI IM          | AGERY ANALYSIS STAFF                             |                              |
|------|-------------------------|---------------------|-----------------|--|------------------------------|
| -    | <b>м ам в</b>           | i Thuong Hw         | y. Bridge E     | COUNTRY  | COORDINATES                  |
| 25X1 | over Can                |                     | 118 3           | North Vietnam                                    | 19 54N - 105 24E<br>WH427012 |
| 25X1 | Bridge N                | 0.24 on NE          | 40-5            | 1 MOT OIL ATE OHAM                               | BRIEF NO:                    |
| -0/( |                         |                     |                 |  | PIB 75561                    |
| _    | MAP                     | JOG (A) 15          | 01 NE 48-3      |  | March 1967                   |
|      | LOCATION:               | 0.7 nm S o          | f Lam Son on Ro | oute 15.   |                              |
|      | DESCRIPTION             | 1:                  |                 |  |                              |
|      | LENGTH<br>Width<br>Type | 105'<br>10'<br>Deck |                 | MATERIAL WOOD NO. OF SPANS 7 LENGTH OF EACH SPAN | 15'                          |
| 25X1 | status:<br>No           | change              |                 |  |                              |
|      | COMPENSATI              | VE ACTION:          |                 |  |                              |
|      | Ву                      | -Pass No. 1         |                 | x 10' wood deck-type 5'; 20' W of main bri       |                              |
| 25X1 |                         |                     |                 |  |                              |
|      | NOTE:                   | All measure         | ments are appro | oximate.   |                              |



### Approved For Release 20(27)18/FIZ) EN-T-FQIP78T05161A001600090001-3

#### DDI IMAGERY ANALYSIS STAFF COUNTRY COORDINATES 19 24N - 105 45E stream 25X1 WG800460 Bridge No. 50 on NE 48-3 North Vietnam BRIEF NO: 25X1 PIB 75562 March 1967 MAP 1501 NE 48-3

LOCATION: 0.6 nm S of Qui My on Route LA.

#### DESCRIPTION:

LENGTH 75'
WIDTH 10'
TYPE Deck

MATERIAL Timber
NO. OF SPANS 5
LENGTH OF EACH SPAN 15!

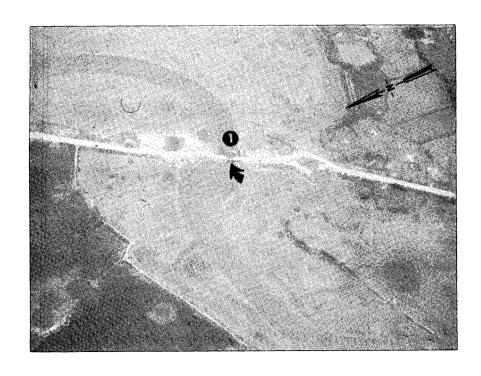
#### STATUS:

Main bridge replaced by a rock fill causeway (50' x 10')/single span timber deck bridge (25' x 10'); serviceable.

#### COMPENSATIVE ACTION:

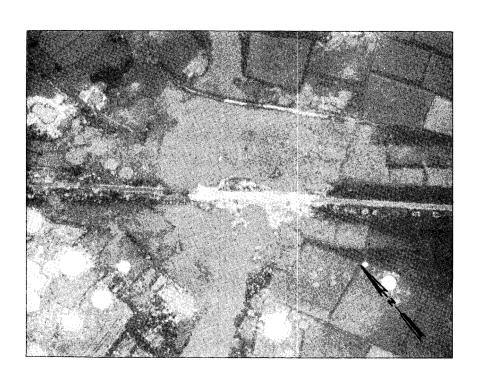
By-Pass No. 1 - 6-span, 100' x 10' timber deck-type bridge with 2 possible concrete piers; spans measure 1 @ 25', 2 @ 20', 2 @ 10', 1 @ 15'; adjacent to E side of main bridge; 4 spans and 2 piers destroyed; unserviceable.

25X1



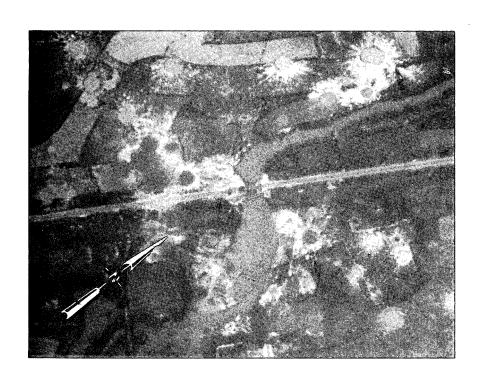
## Approved For Release 2000/08/18 ENHA-RDP78T05161A001600090001-3

|      |                         | DDI IMAG   | GERY ANALYSIS STAFF  |                        |      |
|------|-------------------------|--|--|------------------------|------|
| _    | NAME ]                  | hi Long RR. Bridge SE over                       | COUNTRY  | COORDINATES            |      |
| 25X1 | stream                  |  |  | 19 30N - 105 45E       |      |
|      | Bridge                  | No. 63 on NE 48-3                                | North Vietnam  | WG775577               |      |
| 25X1 |                         |  |  | BRIEF NO:              |      |
|      |                         |  |  | JPIB 75563             |      |
| _    | MAP                     | JOG (A) 1501 NE 48-3                             |  | March 1967             | •    |
|      | LOCATION                | O.4 nm NE of Nap Bang on t                       | he Hanoi/Dong Hoi Rail                                       | Line.                  |      |
|      | DESCRIPTI               | on:  |  |                        |      |
| 25X1 | LENGTH<br>WIDTH<br>Type | 25'<br>Half-through truss                        | MATERIAL Wood and some no. of spans I LENGTH OF EACH SPAN 25 |                        |      |
|      |                         | estroyed and replaced by a siridge; serviceable. | ingle span woo   | od and steel deck-type | 25X1 |
|      | COMPENSA                | TIVE ACTION:                                     |  |                        |      |
|      | IN                      | A  |  |                        |      |



## Approved For Release 20(27)8/140 1147-PAP78T05161A001600090001-3

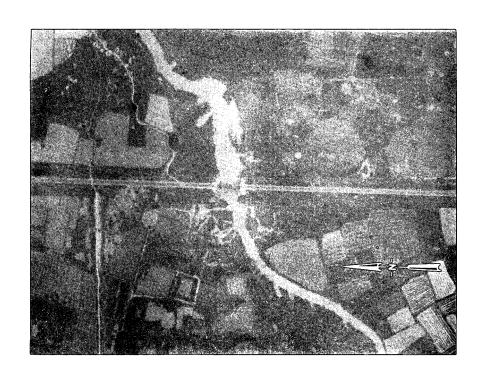
|      | DI  | DI IMAGERY ANALYSIS STAFF |  | •       |
|------|---|---------------------------|--|---------|
|      | N AME   | COUNTRY                   | COORDINATES  | -       |
|      | Qui My RR. Bridge No. 3  Bridge No. 9 on NE 48-3  | North Vietnam             | 19 25N - 105 45E<br>WG743485                       |         |
| 25X1 |   |                           | BRIEF NO:<br>PIB 75564                             |         |
|      | MAP JOG (A) 1501 NE 48-3  |                           | March 1967   | •       |
|      | LOCATION: 0.8 nm NW of Qui My on  | Hanoi/Dong Hoi Rail Lin   | ne.  |         |
|      | DESCRIPTION:  |                           |  |         |
| 25X1 | WIDTH TYPE Half-through truss   |                           | and concrete<br>pan w/temporary reinforcing<br>30' | g pier) |
|      | First replacement span prodestroyed; second replacement wood and steel deck-type compensative action: | ment appears complete; a  | single span  | 25X1    |
|      | NA  |                           |  |         |
| 25X1 |   |                           |  |         |
|      | NOTE: All measurements are app  | proximate.                |  |         |



## Approved For Release 20(2708/12) [14-ROP78T05161A001600090001-3

|       |                 | DDI IMAG                     | ERY ANALYSIS STAFF      |                  | <u> </u>      |
|-------|-----------------|------------------------------|-------------------------|------------------|---------------|
| •     | NAME Sa         | i Thon RR. Bridge N over     | COUNTRY                 | COORDINATES      | <del></del>   |
| 25X1  | stream          |                              |                         | 19 38N - 105 42E |               |
|       | Bridge <b>"</b> | No. 62 on NE 48-3            | North Vietnam           | WG740720         |               |
| 25X1  |                 |                              |                         | BRIEF NO:        | <del></del> . |
| 20/(1 |                 |                              |                         | PIB 75565        |               |
|       | MAP             | JOG (A) 1501 NE 48-3         |                         | March 1967       | _             |
|       | LOCATION:       | 0.4 nm S of Suong Thon on t  | the Hanoi/Dong Hoi Rail | Line.            | <del></del>   |
|       | DESCRIPTION     | <b>1</b> :                   |                         |                  |               |
|       | LENGTH          | 30 t                         | material Steel and o    | concrete         |               |
| 2EV1  | WIDTH           | ř                            | NO. OF SPANS 2          |                  |               |
| 25X1  | TYPE            | Half-through truss           | LENGTH OF EACH SPAN 15  |                  |               |
|       | STATUS:         |                              |                         |                  |               |
|       | Or              | iginal bridge displaced; rep | placed by a 2-span      | wood and steel   | 25X1          |
|       | de              | ck-type bridge with spans me | easuring 15'.           |                  | 20/(1         |
|       | COMPENSATI      | VE ACTION:                   |                         |                  |               |
|       | MA              |                              |                         |                  |               |
|       |                 |                              |                         |                  |               |

 $\mathtt{NOTE:}\ \ \mathtt{All}\ \mathtt{measurements}\ \mathtt{are}\ \mathtt{approximate.}$ 



## Approved For Release 2002/08/12:-CIA-RDP78T05161A001600090001-3

| DDI                        | IMAGERY ANALYSIS STAFF |                  |
|----------------------------|------------------------|------------------|
| NAME                       | COUNTRY                | COORDINATES      |
| Thuy Ba Thuong Hwy. Bridge |                        | 17 00N - 106 59E |
| Bridge No. 63 on NE 48-12  | North Vietnam          | YD122819         |
| <u> </u>                   |                        | BRIEF NO:        |
|                            |                        | PIB 75566        |
| MAP JOG (A) 1501 NE 48-12  |                        | March 1967       |

LOCATION: 0.5 nm S of Thuy Ba Thuong on an unnumbered route.

DESCRIPTION:

25X1 LENGTH WIDTH TYPE Deck

material Timber
no. of spans 6 probable
LENGTH OF EACH SPAN

25X1

STATUS:

l abutment damaged; l abutment possibly damaged; l pier damaged; 2 spans severely damaged; l span moderately damaged.

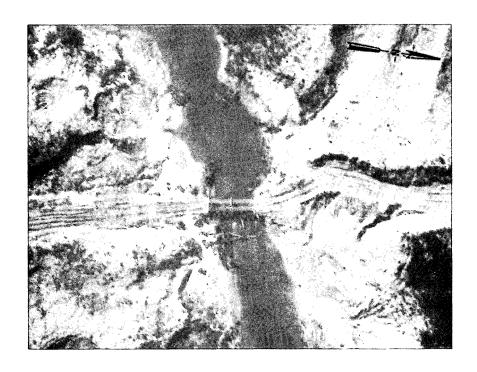
### COMPENSATIVE ACTION:

None



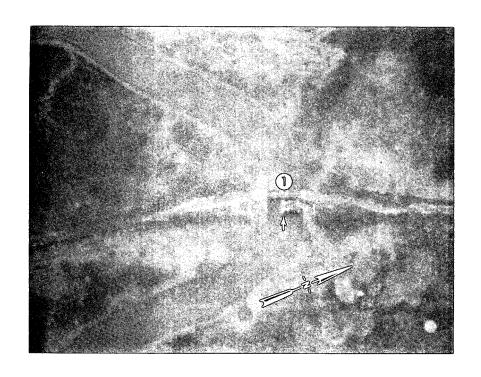
## Approved For Release 2002/09/17/DEIN-F12/78T05161A001600090001-3

| ·     | DDI IMAC  | GERY ANALYSIS STAFF                                |                        |     |
|-------|---|--|------------------------|-----|
| 05)// | NAME Phuong Tieu Hwy. Bridge S                  | COUNTRY  | COORDINATES            | _   |
| 25X1  | over Cao Ngo Giang<br>Bridge No. 52 on NE 48-12 | North Vietnam                                      | XD943920               |     |
| 25X1  |   |  | BRIEF NO:<br>PIB 75567 |     |
|       | LOCATION: 1.7 nm S of Phuong Tieu on            | Route 101.   | March 1967             |     |
| 25X1  | DESCRIPTION:  LENGTH                            | MATERIAL Timber NO. OF SPANS 2 LENGTH OF EACH SPAN |                        | 25X |
|       | STATUS: Bridge repaired and serviceab           | le.  |                        |     |
|       | COMPENSATIVE ACTION:                            |  |                        |     |
| 25X1  | By-Pass No. 1 - constructed 1000' N of ma       | ford; probable<br>in bridge; serviceable.          | e rock/gravel base;    |     |
| 25X1  |   |  |                        |     |



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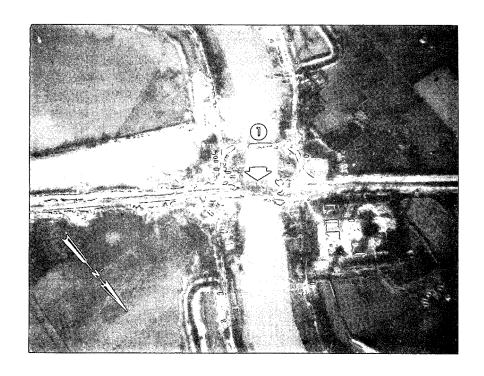
| DDI IMAGERY ANALYSIS STAFF |                                |   |                              |  |
|----------------------------|--------------------------------|---|------------------------------|--|
| NAME La                    | n <u>Tra Hwv. Bridge ov</u> er | COUNTRY   | COORDINATES                  |  |
| Song Cu<br><u>Bridge</u>   | ua No. 30 on NE 48-3           | North Vietnam   | 19 21N - 105 43E<br>WG765405 |  |
|                            |                                |   | BRIEF NO:                    |  |
| MAF                        | JOG (A) 1501 NE 48-            | . 3   | PIB 75568<br>March 1967      |  |
| LOCATION:                  | 0.8 nm W of Phong Bai          |   | r march 1901                 |  |
| DESCRIPTION                | N:                             |   |                              |  |
| LENGTH<br>WIDTH<br>Type    | 80'<br>10'<br>Deck             | material Timber :<br>no.of spans 4<br>length of each span | and concrete<br>20'          |  |
| status:                    | spans destroyed; 1 spa         | n partially damaged.                                      |                              |  |
| COMPENSAT                  | VE ACTION:                     |   |                              |  |
| Ву                         | -Pass No. 1 - 4 span           | timber deck-type<br>g 20'; immediately W of m             | bridge with spans            |  |



## Approved For Release 2002/08/12 CA PDP78T05161A001600090001-3

| DDI IMAGERY ANALYSIS STAFF |                           |                     |                   |     |
|----------------------------|---------------------------|---------------------|-------------------|-----|
| NAME C                     | ao Duong RR. and Hwy. Bri | idge country        | COORDINATES       |     |
| over C                     |                           |                     | 20 24N - 106 02E  |     |
| Bridge                     | No. 16 on NF 48-15        | North Vietnam       | WH081647          |     |
|                            |                           |                     | BRIEF NO:         |     |
|                            |                           |                     | PIB 75569         |     |
| МАР                        | JOG (A) 1501 NF 48-19     |                     | March 1967        |     |
| LOCATION:                  | 0.6 nm S of Xi Thuang o   | on Route 21.        |                   |     |
| DESCRIPTION                | on:                       |                     |                   |     |
| LENGTH                     | 125 <b>'</b>              | MATERIAL WOOD       |                   |     |
| WIDTH                      | 10'                       | NO. OF SPANS 7      |                   |     |
| TYPE                       | Deck                      | LENGTH OF EACH SPAN |                   | 25X |
| status:                    | o change                  |                     |                   |     |
| COMPENSAT                  | IVE ACTION:               |                     |                   |     |
|                            |                           |                     | V of main bridge; |     |
| COM: 2.10.                 |                           |                     | T 0 1 7 17        |     |

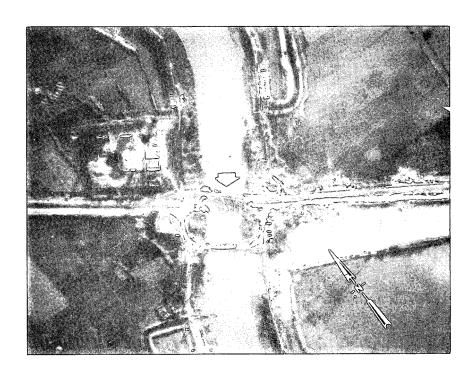
NOTE: Status of adjacent railroad bridge is described in PIB 75570. All measurements are approximate.



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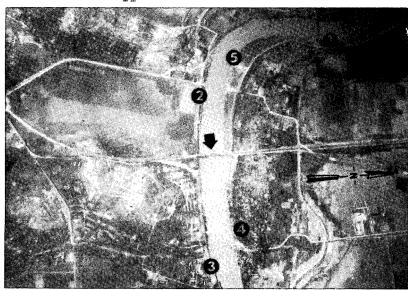
|   | AGERY ANALYSIS STAFF | COORDINATES                          |
|---|----------------------|--------------------------------------|
| over Canal Bridge No. 15 on NF 48-15                    | North Vietnam        | 20 28N - 106 02E<br>XH081647         |
| MAP JOG (A) 1501 NF 48-15                               |                      | BRIEF NO:<br>PIB 75570<br>March 1967 |
| LOCATION: 0.6 nm S of Xi Thuang on                      | Hanoi/Dong Hoi Rail  |                                      |
| DESCRIPTION:  |                      |                                      |
| WIDTH TYPE Half-through truss                           |                      | el and concrete<br>robable           |
| Bridge reconstructed as a mu old bridge superstructure. | lti-span deck-beam s | structure built upon the             |
| COMPENSATIVE ACTION:                                    |                      |                                      |
| None  |                      |                                      |
|   |                      |                                      |

NOTE: Status of adjacent highway bridge is described in PIB 75569. All measurements are approximate.



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|      | NAME Dap Cau RR. and Hwy. Bridge     | COUNTRY                 | COORDINATES             | -    |
|------|--------------------------------------|-------------------------|-------------------------|------|
| 25X1 | over Song Cau                        |                         | 21 12N - 106 05E        |      |
|      | Bridge No. 12 on NF 48-11            | North Vietnam           | XJ135450                |      |
| 25X1 |                                      |                         | BRIEF NO:               |      |
|      |                                      |                         | PIB 75571               |      |
|      | MAP JOG (A) 1501 NF 48-11            |                         | March 1967              | _    |
|      | LOCATION: 0.2 nm W of Dap Cau on Rou | te LA and the Hanoi/Dom | ng Dang Rail Line.      |      |
|      | DESCRIPTION:                         |                         |                         |      |
|      | LENGTH 5301                          | MATERIAL Steel, WOOD    | d and concrete          |      |
|      | WIDTH 25' (Single track)             | NO. OF SPANS            |                         |      |
|      | Combination through-truss            | LENGTH OF EACH SPAN 2   | 9 40', 2 @ 60',         |      |
|      | and deck                             | 2 @                     | 90', 1 @ 150'           |      |
|      | STATUS:                              | omediane description    |                         |      |
|      | The 150' deck span has been r        | epaired; two 40' spans  | remain damaged.         |      |
|      |                                      |                         |                         |      |
|      | COMPENSATIVE ACTION:                 |                         |                         |      |
| 25X1 | By-Pass No. 1 -                      | 7-span co               | oncrete and steel       | 25X′ |
|      | removeable de                        | ck-type railroad bridge | e with spans measuring  |      |
|      | 1 @ 20', 4 @ ·                       | 40', and 2 @ 60'; 2340' | W of main bridge;       |      |
|      | serviceable.                         |                         |                         |      |
|      | By-Pass No. 2 - 300' x 15' por       | ntoon highway bridge; ] | LO35' W of main bridge; |      |
|      | serviceable.                         |                         |                         |      |
| 25X1 |                                      | toon highway bridge; 16 | 540' E of main bridge;  |      |
|      | serviceable.                         |                         | _                       |      |
|      | By-Pass No. 4 - vehicle ferry        |                         | E of main bridge;       |      |
|      |                                      | 2 ferry boats noted.    |                         |      |
|      | By-Pass No. 5 - vehicle ferry        |                         | W of main bridge;       |      |
|      | serviceable;                         | l ferry boat noted.     |                         |      |
| 2EV4 |                                      |                         |                         |      |
| 25X1 |                                      |                         |                         |      |
|      |                                      |                         |                         |      |

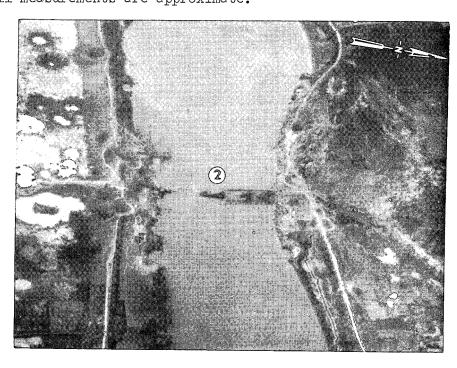


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|      | DDI IMA                                    | GERY ANALYSIS STAFF                                       |  |
|------|--|---|--|
| 25X1 | Br. over Song Len  Bridge No. 6 on NE 48-3 | COUNTRY  North Vietnam                                    | COORDINATES  |
| 25X1 | MAP JOG (A) 1501 NE 48-3                   | THE OIL TE COLONIA  | BRIEF NO: PIB 75572 April 1967   |
|      | LOCATION: 0.5 nm E of Na Thon on Hand      | oi/Dong Hoi Rail Line ar                                  | nd Route 1A.   |
|      | DESCRIPTION:                               |   |  |
| 25X1 | WIDTH TYPE Through truss                   | MATERIAL Steel and No. of Spans 3 LENGTH OF EACH SPAN 175 |  |
| 25X1 | STATUS: No change                          |   |  |
|      | COMPENSATIVE ACTION:                       |   |  |
| 25X1 | dropped, 1 sp                              | vith 45' spans; 9000' SW                                  | strated). 25X1 teel and timber deck 25X1 of main bridge; 4 spans pier destroyed, 2 piers |
|      | By-Pass No. 3 - no change                  | (not illus  | strated). 25X1   |
| 25X1 |  |   |  |

NOTE: All measurements are approximate.

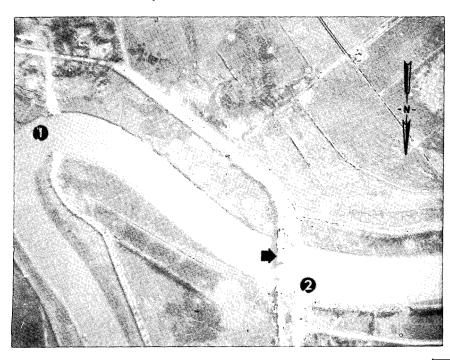


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|      | DDI IMAGERY ANALYSIS STAFF         |  |   |  |
|------|------------------------------------|--|---|--|
|      | NAME Ly Nhạn Hwy. Bridge over      | COUNTRY  | COORDINATES   |  |
| 25X1 | Song Bang  Bridge No. 3 on NE 48-3 | North Vietnam  | 19 00N - 105 35E<br>WG624017                            |  |
| 25X1 |                                    | T TVOL GIL VIO GIRGIN                                | BRIEF NO:   |  |
|      | MAP TOC (A) 3503 NE 58 2           |  | PIB 75573   |  |
|      | <u> </u>                           | on Pouto 1A  | April 1967  |  |
|      | O.) im Por OI TO Ital C            | on Route IA.   |   |  |
|      | DESCRIPTION:                       |  |   |  |
| 25X1 | WIDTH TYPE  Deck                   | MATERIAL Concrete NO. OF SPANS 5 LENGTH OF EACH SPAN | 80 †  |  |
| 25X1 | No change                          |  |   |  |
|      | COMPENSATIVE ACTION:               |  |   |  |
|      |                                    |  | ite; 650' E of main bridge;<br>sections noted W of main |  |
|      | By-Pass No. 2 - a 350' po          |  | ite; 40' W of main bridge;<br>sections noted W of main  |  |
| 25X1 | MOTE: All measurements are ap      | oppovimet o  |   |  |

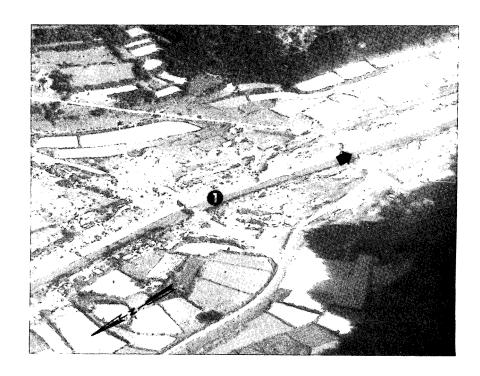
NOTE: All measurements are approximate.

Pontoon sections for By-Pass Nos. 1 and 2 are not illustrated.



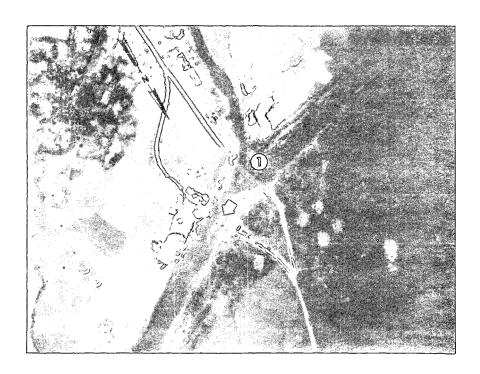
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|       |             |                       | DDI IMAGERY ANALYSIS STAFF  |                   |       |
|-------|-------------|-----------------------|-----------------------------|-------------------|-------|
|       | NAME Ha     | i Le Hwy. Bridge over | COUNTRY                     | COORDINATES       |       |
| 25X1  | Xom Di      |                       |                             | 19 15N - 105 44E  |       |
|       |             | No. 35 on NE 48-3     | North Vietnam               | WG773295          |       |
| 25X1  |             | -                     |                             | BRIEF NO:         |       |
|       |             |                       |                             | PIB 75574         |       |
|       | MAP         | JOG (A) 1501 NE 48    |                             | April 1967        |       |
|       | LOCATION:   | l nm SW of Dong Ly    | on an unnumbered route.     |                   |       |
|       | DESCRIPTION | <b>1</b> :            |                             |                   |       |
|       | LENGTH      | 401                   | material Wood               |                   |       |
| 25X1  | WIDTH       |                       | NO. OF SPANS 3 probe        | able              |       |
| 23/(1 | TYPE        | Deck                  | LENGTH OF EACH SPAN         |                   | 25X1  |
|       | STATUS:     |                       |                             |                   |       |
| 25X1  |             | change                |                             |                   |       |
|       |             |                       |                             |                   |       |
|       | COMPENSATI  | VE ACTION:            |                             |                   |       |
|       | Bv          | -Pass No. 1 - 3-span  | 40' x 10' wood deck-type b  | ridge with spans; | 25X1  |
|       | 23          |                       | of main bridge; middle span |                   | 20/(1 |
|       |             |                       | iceable.                    | 11 ,              |       |
|       |             |                       |                             |                   |       |
|       |             |                       | _                           |                   |       |
| 25X1  |             |                       |                             |                   |       |
|       |             |                       |                             |                   |       |



## Approved For Release 2002081120 EMTRAP78T05161A001600090001-3

|      |   | DDI IMAGERY ANALYSIS STAFF                           |                              |
|------|---|--|------------------------------|
|      | NAME  | COUNTRY  | COORDINATES                  |
|      | Nghia Lo Hwy. Bridge<br>Bridge No. 40 on NF 48-10 | North Vietnam  | 21 36N - 104 30E<br>VJ493895 |
| 25X1 |   |  | BRIEF NO:                    |
|      | JOG (A) 1501 NF 48                                | . 10   | PIB 75575<br>April 1967      |
|      | LOCATION: 0.6 nm N of Nghia Lo                    |  | 1 2011 1901                  |
|      | DESCRIPTION:                                      | <u>-</u>   |                              |
| 25X1 | width type Probable deck                          | material Probable no. of spans 2 LENGTH OF EACH SPAN | concrete and steel           |
| 25X1 | No change   |  |                              |
|      | COMPENSATIVE ACTION:                              |  |                              |
|      |   | cted 230' x 20' ford; probof main bridge; serviceabl |                              |
| 25X1 |   |  |                              |
|      | NOTE: All measurements are                        | approximate.   |                              |



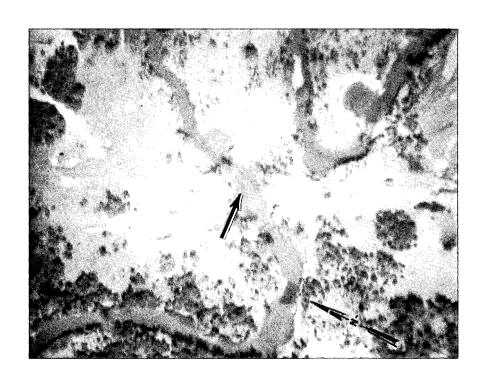
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|      | DDI IMA                             | GERY ANALYSIS STAFF |                  |
|------|-------------------------------------|---------------------|------------------|
| ,    | NAME Ban Na Mai Hwy. Bridge over    | COUNTRY             | COORDINATES      |
| 25X1 | stream                              | _                   | 19 27N - 103 08E |
|      | Bridge No. 4L on NE 48-1            | Laos                | UGO41533         |
| 25X1 |                                     |                     | PIB 75576        |
|      | MAP JOG (A) 1501 NE 48-1            |                     | March 1967       |
|      | LOCATION: 1 nm NW of Ban Sanchot on | Route $4/7$ .       |                  |
|      | DESCRIPTION:                        |                     |                  |
| 25X1 | LENGTH                              | MATERIAL WOOD       |                  |
| 23/1 | WIDTH                               | no.ofspans 3 probab | <u>le</u>        |
|      | Deck                                | LENGTH OF EACH SPAN | 25X              |

STATUS:
Bridge destroyed.

COMPENSATIVE ACTION:

None apparent.



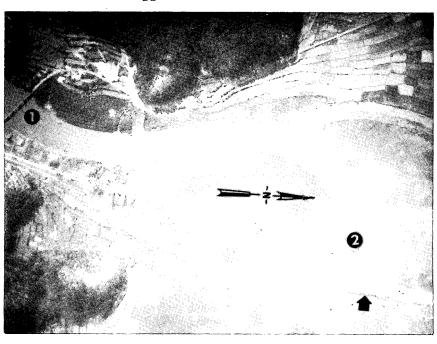
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| , DDI  | I IMAGERY ANALYSIS STAFF                        |                                       |
|--|---|---------------------------------------|
| NAME   | COUNTRY   | COORDINATES                           |
| Ban Xia Hwy. Bridge<br>Bridge No. 5L on NE 48-1      | Laos  | 19 31N - 103 04E<br>T <b>G</b> 975592 |
|  |   | BRIEF NO:<br>PIB 75577                |
| MAP JOG (A) 1501 NE 48-1                             |   | March 1967                            |
| DESCRIPTION:  LENGTH 1901  WIDTH TYPE  Through truss | material Steel no. of spans 3 length of each se |                                       |
| status:<br>3 spans dropped.                          |   |                                       |
| COMPENSATIVE ACTION:  By-Pass No. 1 -                |   | ford adjacent to bridge;              |



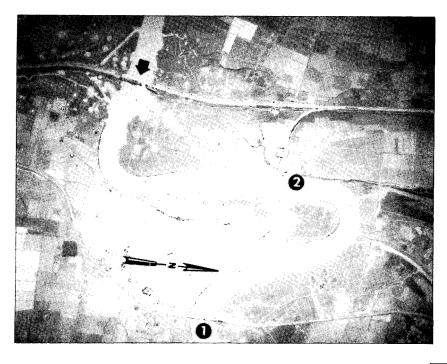
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| NAME     |                          |   | ERY ANALYSIS STAFF |                            |
|----------|--------------------------|---|--------------------|----------------------------|
|          | Tam Da RR. a <u>nd I</u> | Wy. Bridge                              | COUNTRY            | COORDINATES                |
|          | Song Cua Lo              |   | <b></b> .          | 18 50N - 105 39E           |
|          | e No. 18 on NE           | <u> 18-7</u>                            | North Vietnam      | WF691839                   |
|          |                          |   |                    |                            |
| MAE      | .TOG (A) 1501            | NE 48.7                                 |                    | PIB 75578<br>April 1967    |
| LOCATIO  |                          |   | Hanoi/Dong Hoi F   |                            |
| DESCRIPT |                          |   |                    |                            |
| LENGTH   | 2601                     |   | MATERIAL WOOD      | and concrete               |
| WIDTH    | ' <u>360'</u> (Single    | two als)                                |                    | probable                   |
| TYPE     | Deck beam wit            | •                                       | LENGTH OF EACH SP  | an 301                     |
|          | tower support            |   |                    |                            |
| STATUS:  | 2.1                      |   | 1.                 |                            |
|          | The bridge is ur         | nder reconstru                          | ction.             |                            |
|          |                          |   |                    |                            |
| COMPENS  | ATIVE ACTION:            |   |                    |                            |
|          | By-Pass No. 1 -          |   | 13-span            | wood and concrete deck     |
|          |                          |   |                    | ng 2 @ 75', and 11 @ 25';  |
|          | By Page No. 2            |   | e main bridge; se  | 48-7); combination 340'    |
|          | by-rass No. 2 -          | - · · · · · · · · · · · · · · · · · · · | <del>-</del>       | g site and ferry landings; |
|          |                          |   |                    | landings are serviceable;  |
|          |                          |   |                    | stream banks downstream; n |
|          |                          | ferryboat note                          | ~                  | ,,,,,,,,,,,                |
|          |                          | ·                                       |                    |                            |
|          |                          |   |                    |                            |
|          |                          |   |                    |                            |



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|   |                         |  | DDI IMAG                                | ERY ANALYSIS STAFF               |   |
|---|-------------------------|--|---|----------------------------------|---|
|   | over Sc                 | en Chau RR.<br>ong Bang<br>No. 6 on NE |   | COUNTRY  North Vietna            | COORDINATES  18 58N - 105 35E  WF613978   |
|   |                         |  |   | 1101 011 V16011a.                | BRIEF NO:<br>PIB 75579  |
| - | MAP<br>LOCATION:        | JOG (A) 150                            |   | au on the Hanoi                  | April 1967 // Dong Hoi Rail Line.   |
|   | DESCRIPTION             | N:                                     |   |                                  |   |
|   | LENGTH<br>Width<br>Type | 330'<br>15'                            |   | NO. OF SPANS                     | crete and steel  SPAN 1 @ 105', 2 @ 50', 5 @ 25'  |
|   | STATUS:                 | iss and deck-                          | half-through<br>beam<br>of the piers ha |                                  | 1 6 10) , 2 6 )0 , 7 6 2)   |
|   | COMPENSATI              | ve action:<br>-Pass No. 1              | -                                       | 20 <b>-</b> span 230             | ' x 5' wood deck-beam bridge wi   |
|   | Ву                      | -Pass No. 2                            | 1 @ 20'. and 1                          | 18 @ 10'; 1800'<br>  11-span 300 | rts; spans measuring 1 @ 30',<br>W of main bridge; serviceable.<br>'x 5' concrete and steel deck- |
|   |                         |  |   |                                  | ring 1 @ 50', 2 @ 35', and 9 @ ; U/C and unserviceable.   |
|   |                         |  |   |                                  |   |



## 

|                         | DDI IM   | AGERY ANALYSIS STAFF                                    |  |
|-------------------------|--|---|--|
| N AME                   | Tho Trang RR. Bridge over                      | COUNTRY   | COORDINATES  |
| strea<br>Bridg          | am<br>ge No. 14 on NE 48-3                     | North Vietnam   | 19 09N - 105 37E<br>WG649181                       |
|                         |  | •   | BRIEF NO:  |
| MAP                     | JOG (A) 1501 NE 48-3                           |   | PIB 75580<br>April 1967                            |
| LOCATION                |  | n Hanoi/Dong Hoi Rail                                   |  |
| DESCRIPT                | ION:   |   |  |
| LENGTH<br>WIDTH<br>Type | ' 60'<br>10'<br>Half-through truss             | MATERIAL Steel and NO. OF SPANS 2 LENGTH OF EACH SPAN 3 |  |
| STATUS:                 | No change                                      |   |  |
| COMPENS                 | ATIVE ACTION:                                  |   |  |
|                         | By-Pass No. 1 - 5 (probable spans; serviceable | 350' E of main bridge;                                  | r deck-beam bridge with<br>bridge is U/C and not ; |



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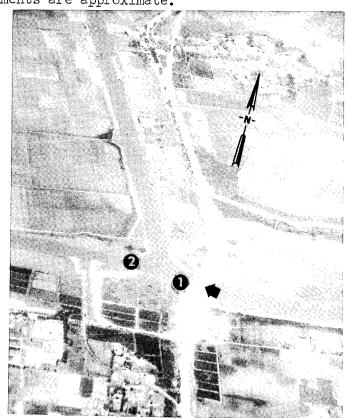
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|                               | DDI IMAGERY ANALYSIS STAFF      |                       |
|-------------------------------|---------------------------------|-----------------------|
| NAME Phuc Thiem Hwy. Br       | ridge over Country              | COORDINATES           |
| stream                        | <b>T</b>                        | 18 57N - 105 34E      |
| Bridge No. 2 on NE 48-7       | North Vietnam                   | WF605969              |
| 1 ]                           |                                 | BRIEF NO:             |
|                               |                                 | PIB 75581             |
| MAP JOG (A) 1501              | NE 48-7                         | April 1967            |
| LOCATION: 1.0 nm W of Phu     | c Thiem on Route 7.             |                       |
| DESCRIPTION:                  |                                 |                       |
| LENGTH 751                    | material Timber                 |                       |
| WIRTH (1)                     | NO. OF SPANS 5                  |                       |
| TYPE Deck                     | LENGTH OF EACH SPAN             | 15 <b>'</b>           |
|                               |                                 |                       |
| STATUS:<br>One span destroyed | 1.                              |                       |
| 1.                            |                                 |                       |
| COMPENSATIVE ACTION:          |                                 |                       |
| By-Pass No. 1 - fe            | erry landings 350' E of main br | idge; serviceable; no |
| <u> </u>                      | erryboats noted.                | - 1                   |
|                               |                                 |                       |
|                               |                                 | <del></del>           |
| 1                             |                                 |                       |
|                               |                                 |                       |
| MOTE · All magainement        | s and annuovimate               |                       |



### Approved For Release 2002(13) FIDEN RDP78T05161A001600090001-3

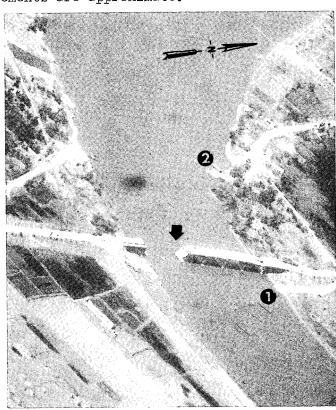
|      | DDI IMA   | GERY ANALYSIS STAFF   |  |
|------|---|---|--|
|      | NAME Ha Thon RR. and Hwy. Bridge                              | COUNTRY   | COORDINATES                                      |
| 25X1 | over Song Vac   |   | 20 12N - 105 58E                                 |
|      | Bridge No. 11 on NF 48-15                                     | North Vietnam   | XH013348   |
| 25X1 |   |   | BRIEF NO:  |
|      |   |   | PIB 75582  |
|      | MAP JOG (A) 1501 NF 48-15                                     |   | April 1967                                       |
|      | LOCATION: 0.8 nm SE of Vu Lam on Ro                           | ute lA.   |  |
|      | DESCRIPTION:  |   |  |
| 25X1 | LENGTH 110' WIDTH TYPE Deck                                   | MATERIAL Concrete NO. OF SPANS 4 possib LENGTH OF EACH SPAN | le 25X1  |
| 25X1 | STATUS:<br>No change  |   |  |
|      | COMPENSATIVE ACTION:  |   |  |
| 25X1 | serviceable.  | ghway pontoon bridge; 5                                     |  |
|      | By-Pass No. 2 - 300' highway<br>approaches so<br>from main br | erviceable; pontoon sec                                     | 00' W of main bridge;<br>tions moored downstream |



Approved For Release 20 (2014/FIDENT-FAIP78T05161A00160009 0.0011/1-3 of declassification

# Approved For Release 2002/08/12: CIA-RDP78T05161A001600090001-3

| •     | DDI IMAGERY ANALYSIS STAFF  |   |                           |  |
|-------|---|---|---------------------------|--|
|       | NAME Tri Dong Hwy. Bridge over                                      | COUNTRY                                       | COORDINATES               |  |
| 25X1  | Song Day  |   | 20 21N - 105 55E          |  |
| _0/(: | Bridge No. 2 on NF 48-15  | North Vietnam                                 | WH966518                  |  |
| 25X1  |   |   | BRIEF NO:                 |  |
| 20/(1 |   |   | PIB 75583                 |  |
|       | MAP JOG (A) 1501 NF 48-1  |   | April 1967                |  |
|       | LOCATION: 0.2 nm E of Tri Dong o                                    | n Route LA.                                   |                           |  |
|       | DESCRIPTION:  |   |                           |  |
|       | LENGTH 6001   |   | e, timber and steel       |  |
| 25X1  | WIDTH<br>TYPE   | LENGTH OF EACH SPAN                           | 6 @ 75 1                  |  |
|       | Combination deck/cable bridge Length of Each span 6 @ 75', 1 @ 150' |   |                           |  |
|       | STATUS:   |   | -                         |  |
|       | Probably serviceable; not   |   | e 150' cable bridge span  |  |
|       | on decking of adjacent sp   | ans.  |                           |  |
|       | COMPENSATIVE ACTION:  |   |                           |  |
|       | By-Pass No. 1 - ferry lan<br>no ferryb                              | dings located 50' E of oats noted.            | main bridge; serviceable; |  |
|       |   | dings located 300' W of<br>e ferryboat noted. | main bridge; serviceable; |  |
|       |   |   |                           |  |
| 25X1  |   |   |                           |  |



Approved For Release 200@@MF2 DEMF1AP278T05161A001600090001-3

### Approved For Release 2002/08/12 ENT-PP78T05161A001600090001-3

| DDI IMAG   | DDI IMAGERY ANALYSIS STAFF |  |  |
|--|----------------------------|--|--|
| NAME Cung Que Hwy. Bridge SW over Hoang Long Giang | COUNTRY                    | coordinates<br>20 19N - 105 56E<br>WH980476      |  |
| Bridge No. 3 on NF 48-15                           | North Vietnam              | WH900470<br>BRIEF NO:<br>PIB 75584<br>April 1967 |  |
| MAP .TOG (A) 1501 NF $48-15$                       |                            | 1101 17 2/01                                     |  |

LOCATION: 1 nm SW of Cung Que on Route 1A.

#### DESCRIPTION:

25X1

25X1

LENGTH 360' WIDTH 101 TYPE

Half-through truss

MATERIAL Steel and concrete

NO. OF SPANS

LENGTH OF EACH SPAN 2 @ 150', 2 @ 30'

#### STATUS:

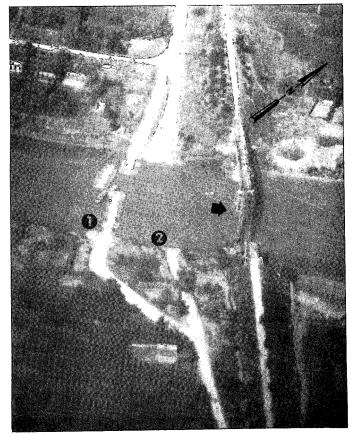
Reconstruction of destroyed 150' span has begun.

#### COMPENSATIVE ACTION:

By-Pass No. 1 - 215' x 10' pontoon bridge; 400' SW of main bridge; center span temporarily open to allow river traffic to pass; serviceable.

By-Pass No. 2 - 230' pontoon bridge/ferry landings site; 250' SW of main bridge; no ferryboats noted; landings serviceable.

NOTE: All measurements are approximate.



Approved For Release 2002 (CONFIDENTED 8T05161A001600090 001 = 3

## Approved For Release 200744-PAPP78T05161A001600090001-3

|                               | DDI IMAGERY ANALYSIS STAFF      |                              |
|-------------------------------|---------------------------------|------------------------------|
| N AME                         | COUNTRY                         | COORDINATES                  |
| Quang Khe Hwy. Bridge         |                                 | 17 41N - 106 28E<br>XE567568 |
|                               |                                 | BRIEF NO:                    |
| (1 L JOG (A) 1501             | NF: 48-17                       | PIB 75585<br>April 1967      |
|                               | Quang Khe on an unnumbered rout |                              |
| DESCRIPTION:                  |                                 |                              |
| LENGTH 551 WIDTH 501 TYPE 101 |                                 | rob <u>able</u>              |
| Deck                          | LENGTH OF EACH SPAN             | <sup>N</sup>   2             |

STATUS:

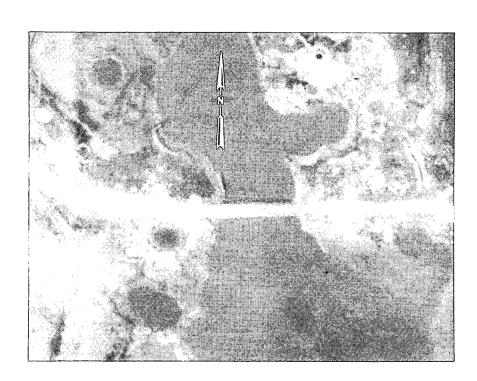
Serviceable replacement bridge.

COMPENSATIVE ACTION:

Deck

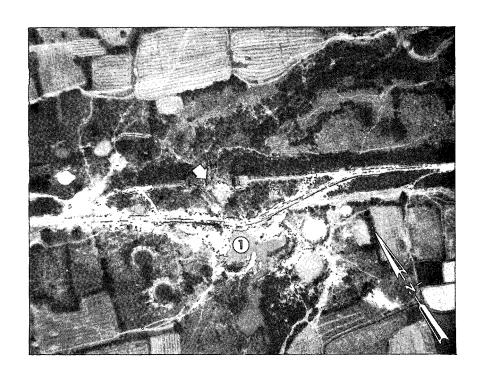
None

25X1



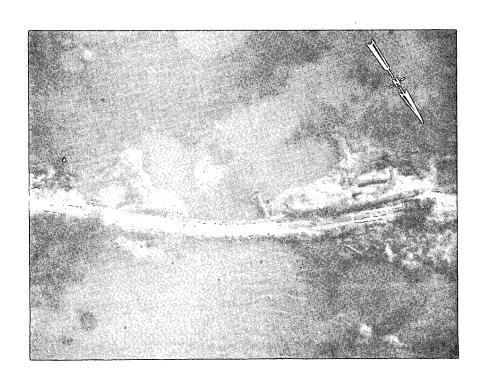
### Approved For Release 20(20) FPD ENT-ROP78T05161A001600090001-3

|                                  | DDI IMAGERY ANALYSIS STAFF       |                               |
|----------------------------------|----------------------------------|-------------------------------|
| NAME Ngoc Lam RR. Bridg          | re over Country                  | COORDINATES                   |
|                                  | <b>7</b> · · · ·                 | 17 49N - 106 08E              |
| 1 stream Bridge No. 23 on NE 48- | -Il North Vietnam                | XE206712                      |
|                                  |                                  | BRIEF NO:                     |
| 1                                |                                  | PIB 75586                     |
| MAP JOG (A) 1501                 | NE 48-11                         | April 1967                    |
| LOCATION: O.4 nm W of Thu        | long Phy on abandoned segment of | of Hanoi/Dong Hoi Rail Line.  |
| DESCRIPTION:                     |                                  | , -                           |
|                                  | CU T                             | 3                             |
| LENGTH 901                       | material Steel a                 | and concrete                  |
| 1 TYPE Dool-                     | LENGTH OF EACH SPAN              | 001                           |
| Deck                             |                                  | 90'                           |
|                                  |                                  |                               |
| STATUS:  No change               |                                  |                               |
| 110 Change                       |                                  |                               |
|                                  |                                  |                               |
| COMPENSATIVE ACTION:             |                                  |                               |
| By-Pass No. 1 - bi               | ridge replaced by a              | gravel/rock causeway; 70' S 2 |
| · ·                              | f main bridge; serviceable.      |                               |
|                                  |                                  |                               |
|                                  |                                  |                               |
| 1                                |                                  |                               |
| '                                |                                  |                               |
| NOTE: All measurements           | s are approximate.               |                               |



# Approved For Release 2003613 ENTIRE P78T05161A001600090001-3

| -    |                         |                                    | DDI IMAC           | SERY ANALYSIS STAFF                           |  |
|------|-------------------------|------------------------------------|--------------------|---|--|
| -    | NAME [                  | huy Lien T                         | nuong Hwy. Bridge  | COUNTRY                                       | COORDINATES  |
| 25X1 | No. 1                   | over stream                        | n                  |   | 17 10N - 106 54E   |
| _    | Bridge                  | e No. 10 on                        | NE 48-12           | North Vietna                                  |  |
| 25X1 |                         |                                    |                    |   | BRIEF NO: PIB 75587  |
|      | MAP                     | JOG (A)                            | L501 NE 48-12      |   | April 1967   |
| -    | LOCATION                |                                    | of Tram Trung on   | Route LA.                                     |  |
|      | DESCRIPT                | ion:                               |                    |   |  |
|      | LENGTH<br>WIDTH<br>Type | 65 <b>'</b><br>15 <b>'</b><br>Deck |                    | material Concino. of spans 1 length of each s |  |
| 25X1 | STATUS:                 |                                    |                    |   | Limbon dook braiden with                                   |
| 0EV4 |                         |                                    | idge destroyed; re | placed by a                                   | timber deck bridge with lizes one abutment of the original |
| 25X1 |                         | oridge.                            | spans, reprace     | meno bridge dor                               | TIZON ONG GRACIMONIO OF ONE OFFICE                         |
|      |                         | None                               |                    |   |  |

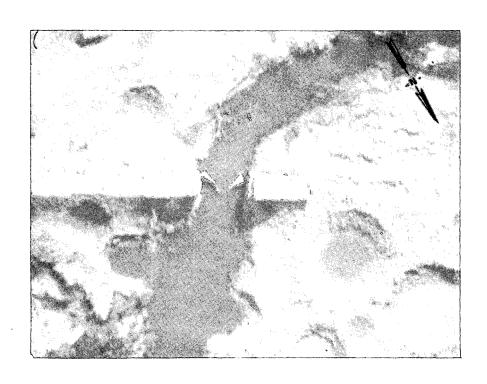


### 

|   | IMAGERY ANALYSIS STAFF   |  |   |
|---|--|--|---|
| NAME  | COUNTRY  | COORDINATES  | <del></del>   |
| Lai Cach Hwy. Bridge<br>Bridge No. 64 on NE 48-12 | North Vietnam  | 17 04N - 106 56E<br>YD065892   |   |
|   |  | BRIEF NO:<br>PIB 75589   |   |
| MAP JOG (A) 1501 NE 48-12                         |  |  |   |
| LOCATION: 0.6 nm SW of Lai Cach o                 | n the abandoned Rail Lin   |  |   |
| DESCRIPTION: LENGTH WIDTH                         | MATERIAL Concrete  |  |   |
| Deck  | LENGTH OF EACH SPAN  |  | 25X   |
| Span destroyed.                                   |  |  |   |
|   | Lai Cach Hwy. Bridge Bridge No. 64 on NE 48-12  MAP JOG (A) 1501 NE 48-12  LOCATION: O.6 nm SW of Lai Cach of DESCRIPTION:  LENGTH WIDTH TYPE  Deck  STATUS: | Lai Cach Hwy. Bridge Bridge No. 64 on NE 48-12  North Vietnam  MAP JOG (A) 1501 NE 48-12  LOCATION: O.6 nm SW of Lai Cach on the abandoned Rail Lin  DESCRIPTION:  LENGTH WIDTH TYPE DECK  STATUS: | Lai Cach Hwy. Bridge Bridge No. 64 on NE 48-12  North Vietnam  PIB 75589  April 1967  Location: O.6 nm SW of Lai Cach on the abandoned Rail Line S of Dong Hoi.  DESCRIPTION:  LENGTH WIDTH TYPE  DECK  STATUS: |

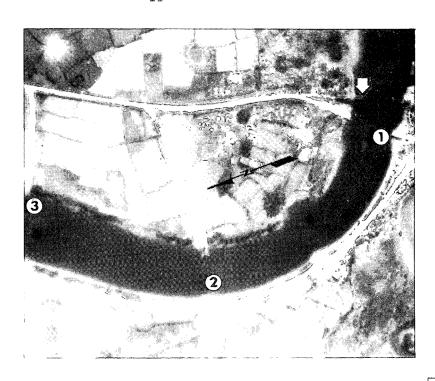
NOTE: All measurements are approximate.

None



## Approved For Release 20020NF2DENTRAP78T05161A001600090001-3

| huong Can Hw  | y. Bridge o  | er c   | OUNTRY  |   | COORDINATES  |
|---|--|--|---|---|--|
|   |  |  |   | ·   | 19 14N - 105 42E   |
|   | NE 48-3  |  | North Vietr   | nam   | WG742273   |
|   |  |  |   | ] 1   | BRIEF NO:  |
|   |  |  |   |   | PIB 75590  |
| JOG (A)   | 1501 NE 4  | 3-3  | _   |   | April 1967   |
| o.8 nm S  | W of Thien   | Ki on Rou  | te LA.  |   |  |
| TION.   |  |  |   |   |  |
|   |  |  | ~   | , ,   |  |
| H 2001  |  |  |   |   | steel  |
|   |  |  |   |   |  |
| Deck  |  | •  | LENGTH OF EXCH  | 3F AR 40 ·  |  |
| Replacement   |  |  | iceable; cab  | les have a  | pparently been removed   |
| no new bomb   | damage obs   |  |   |   |  |
| no new bomb   | Ü  |  |   |   |  |
| no new bomb  SATIVE ACTION:  By-Pass No.              | l - ferry inoted.  | Landings I   |   |   | serviceable; no ferry  |
| no new bomb  SATIVE ACTION:  By-Pass No.              | 1 - ferry noted. 2 - ferry 1                                     | Landings [   |   |   | serviceable; no ferry  |
| no new bomb  SATIVE ACTION:  By-Pass No.  By-Pass No. | <ul><li>1 - ferry : noted.</li><li>2 - ferry : boats :</li></ul> | Landings I<br>Landings (<br>noted.                                 | 360'NW of m   | ain bridge  |  |
|   | JOG (A)  JOG (A)  N: 0.8 nm S  TION:  Deck                       | JOG (A) 1501 NE 48-3  JOG (A) 1501 NE 48  ON: 0.8 nm SW of Thien F | JOG (A) 1501 NE 48-3  JOG (A) 1501 NE 48-3  ON: 0.8 nm SW of Thien Ki on Roution:  H 2001  Deck | JOG (A) 1501 NE 48-3  North Vietr  JOG (A) 1501 NE 48-3  No.8 nm SW of Thien Ki on Route 1A.  TION:  H 2001  MATERIAL CON NO. OF SPANS LENGTH OF EACH | JOG (A) 1501 NE 48-3  North Vietnam  JOG (A) 1501 NE 48-3  ON: O.8 nm SW of Thien Ki on Route 1A.  TION:  H 2001  MATERIAL Concrete and No. OF SPANS 5 LENGTH OF EACH SPAN 401 |



## Approved For Release 20000115ENTA-RPP78T05161A001600090001-3

| E Bai Duc II<br>he Ba Giang<br>ridge No. 7 | non RR. Bridge over  | COUNTRY  North Vietnam  | COORDINATES  18 03N - 105 50E  WE886964   |
|--|--|---|---|
| he Ba Giang                                |  |   | 18 03N - 105 50E  |
| he Ba Giang                                |  | North Vietnam   |   |
| ridge No. 7                                | on NE 48-7   | North Vietnam   | WE886964  |
| TIMEC NO.                                  | 011 112 10 1   |   |   |
|  |  |   | BRIEF NO:   |
|  |  |   | PIB 75592   |
| P JOG (A                                   | ) 1501 NE 48-7   |   | - April 1967  |
| ATION: 0.2 nm                              | NE of Bai Duc Thon   | on the Hanoi/Dong Hoi   | Rail Line.  |
| CRIPTION:                                  |  |   |   |
| ength 140'<br>pth 10'<br>rpe Throug        | h-truss  | NO. OF SPANS Undeter  | eel, and concrete<br>mined<br>determined  |
| т <b>us:</b><br>No chang                   | е  | ]   |   |
| PENSATIVE ACTIO                            | N:   |   |   |
| By_Pass                                    | No. 1 - 10-span  | single track, t   | imber deck-beam rail bridg  |
| Dy-1abb                                    |  |   |   |
|  |  | in bridge; serviceabl   |   |
|  | ATION: 0.2 nm  RIPTION:  NGTH 140'  TH 10'  Throug  TUS:  No chang | ATION: 0.2 nm NE of Bai Duc Thon  RIPTION:  NGTH 140'  TH 10'  Through-truss  FUS:  No change  PENSATIVE ACTION:  By-Pass No. 1 - 10-span | ATION: O.2 nm NE of Bai Duc Thon on the Hanoi/Dong Hoi  RIPTION:  NGTH 140'  OTH 10'  Through-truss  Through-truss  PENSATIVE ACTION: |



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